CDX-V6800

SERVICE MANUAL

E Model
Chinese Model

Ver. 1.0 2006.05

• The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	CDX-V5800
CD Drive Mechanism Type	MG-611MM-186//Q
Optical Pick-up Name	KSS1000E

SPECIFICATIONS

CD player section

Signal-to-noise ratio	90 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit
Signal format system	PAL/NTSC

Tuner section

FM

Tuning range	FM tuning interval: 50 kHz/200 kHz switchable 87.5 – 108.0 MHz (at 50 kHz step) 87.5 – 107.9 MHz (at 200 kHz step)
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	9 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	67 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz	0.5% (stereo), 0.3% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW

Tuning range	531 – 1,602 kHz (at 9 kHz step) 530 – 1,710 kHz (at 10 kHz step)
MW tuning interval	9 kHz/10 kHz switchable
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 μV

SW

Tuning range	SW1: 2,940 – 7,735 kHz SW2: 9,500 – 18,135 kHz (except for 10,140 – 11,575 kHz)
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 μV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	52 W × 4 (at 4 ohms)

– Continued on next page –

FM/MW/SW MULTI MEDIA DISC PLAYER

9-887-241-01
2006E04-1
© 2006.05

Sony Corporation
eVehicle Division
Published by Sony Techno Create Corporation

SONY®

General

Outputs	Audio outputs terminal (front, sub/rear switchable)
	Video output terminal
	Power aerial relay control terminal
	Power amplifier control terminal
Inputs	Telephone ATT control terminal
	Parking break control terminal
	Aerial input terminal
	AUX input jack (stereo mini jack)
Tone controls	Low: ±10 dB at 60 Hz (XPLOD)
	Mid: ±10 dB at 1 kHz (XPLOD)
	High: ±10 dB at 10 kHz (XPLOD)
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 × 50 × 181 mm (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 162 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set)
	Card remote commander RM-X158

Design and specifications are subject to change without notice.

SERVICE NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

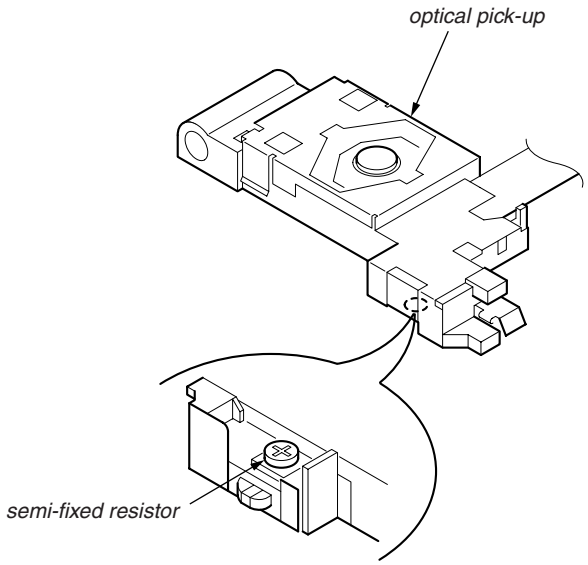
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.
Never turn the semi-fixed resistor located at the side of optical pick-up block.



TEST DISCS

Please use the following test discs for the check on the voltage and the waveforms of the CD section.

YDES-18 (Part No. 3-702-101-01)
PATD-012 (Part No. 4-225-203-01)

E model

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

Chinese model

1类激光产品

此标签位于机壳的底部。

Notes on CD-Rs (recordable CDs)/CD-RWs (rewritable CDs)

This unit can play the following discs:

Type of discs	Label on the disc
Audio CD	
MP3 files	

- Some CD-Rs/CD-RWs (depending on the equipment used for its recording or the condition of the disc) may not play on this unit.
- You cannot play a CD-R/CD-RW that is not finalized*.
- You can play MP3 files recorded on CD-ROMs, CD-Rs, and CD-RWs.
- A CD-R/CD-RW to which a session can be added can be played.

* A process necessary for a recorded CD-R/CD-RW disc to be played on the audio CD player.

Notes on Video CDs

This unit can play the following discs:

Type of discs	Label on the disc
Video CD VCD	

A compact disc that contains moving pictures.
The picture data uses the MPEG 1 format (Video CD), worldwide standards of digital compression technology.
Video CDs also contain compact audio data.
Sounds outside the range of human hearing are compressed while the sounds we can hear are not compressed.

● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350°C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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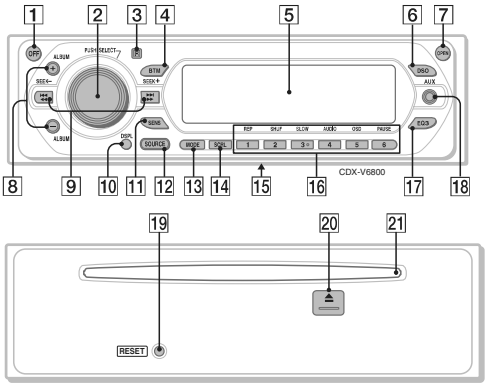
SECTION 1
GENERAL

This section is extracted from instruction manual.

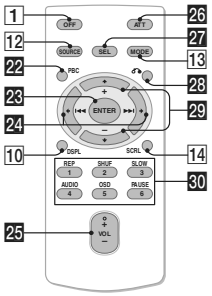
• LOCATION OF CONTROLS

Location of controls and basic operations

Main unit



Card remote commander RM-X158



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **OFF button**
To power off; stop the source.

2 **Volume control dial/select button** 10
To adjust volume (rotate); select items (press).

3 **Receptor for the card remote commander**

4 **BTM button** 9
To start the BTM function (press and hold).

5 **Display window**

6 **DSO button** 2
To select the DSO mode (1, 2, 3 or OFF). The larger the number, the more enhanced the effect.

7 **OPEN button** 5

8 **ALBUM* +/– button**
To skip albums (press); skip albums continuously (press and hold).

9 **SEEK –/+ buttons**
CD/VCD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).

10 **DSPL (display) button** 4, 8
To change display items.

11 **SENS button**
To improve weak reception: LOCAL/MONO.

12 **SOURCE button**
To power on; change the source (Radio/CD/VCD/AUX).

13 **MODE button** 9
To select the radio band (FM/MW/SW).

14 **SCRL (scroll) button** 8
To scroll the display item.

15 **Frequency select switch** (located on the bottom of the unit)
See "Frequency select switch" in the supplied installation/connections manual.

16 **Number buttons**
CD:
(1): **REP** 8
(2): **SHUF** 8
(3): **SLOW** 8
(4): **AUDIO** 9
(5): **OSD** 11
(6): **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).

17 **EQ3 (equalizer) button** 10
To select an equalizer type (XPLOD, VOCAL, EDGE, CRUISE, SPACE, GRAVITY, CUSTOM or OFF).

18 **AUX input jack** 12
To connect a portable audio device.

19 **RESET button** (located behind the front panel) 4

20 **⏏ (eject) button**
To eject the disc.

21 **Disc slot**
To insert the disc (label side up), playback starts.

The following buttons on the card remote commander have also different buttons/functions from the unit.

22 **PBC button** 9

23 **ENTER button** 9

24 **⏮ (I◀◀)/⏭ (▶▶I) buttons**
To control CD/VCD/Radio, the same as (SEEK) –/+ on the unit.

25 **VOL (Volume) +/– button**
To adjust volume.

26 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

27 **SEL (select) button**
The same as the select button on the unit.

28 **↩ (return) button** 9

29 **⬆ (+)/⬇ (–) buttons**
To control CD, the same as (ALBUM) +/– on the unit.

30 **Number buttons**
To receive stored stations (press); store sations (press and hold).

* *When an MP3 is played.*

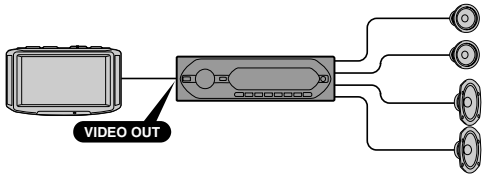
Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

Tip
For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 14.

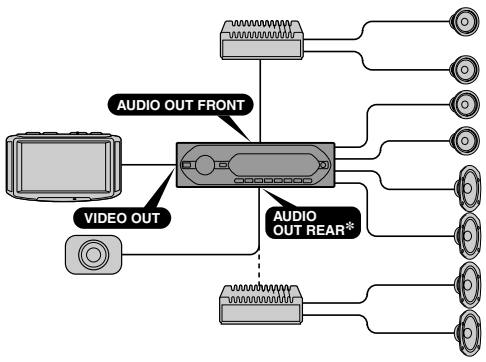
• CONNECTIONS

2

A



B



* *AUDIO OUT SUB/REAR*

Connection example 2

***Notes* (2-B)**
- *Be sure to connect the earth lead before connecting the amplifier.*
- *If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.*

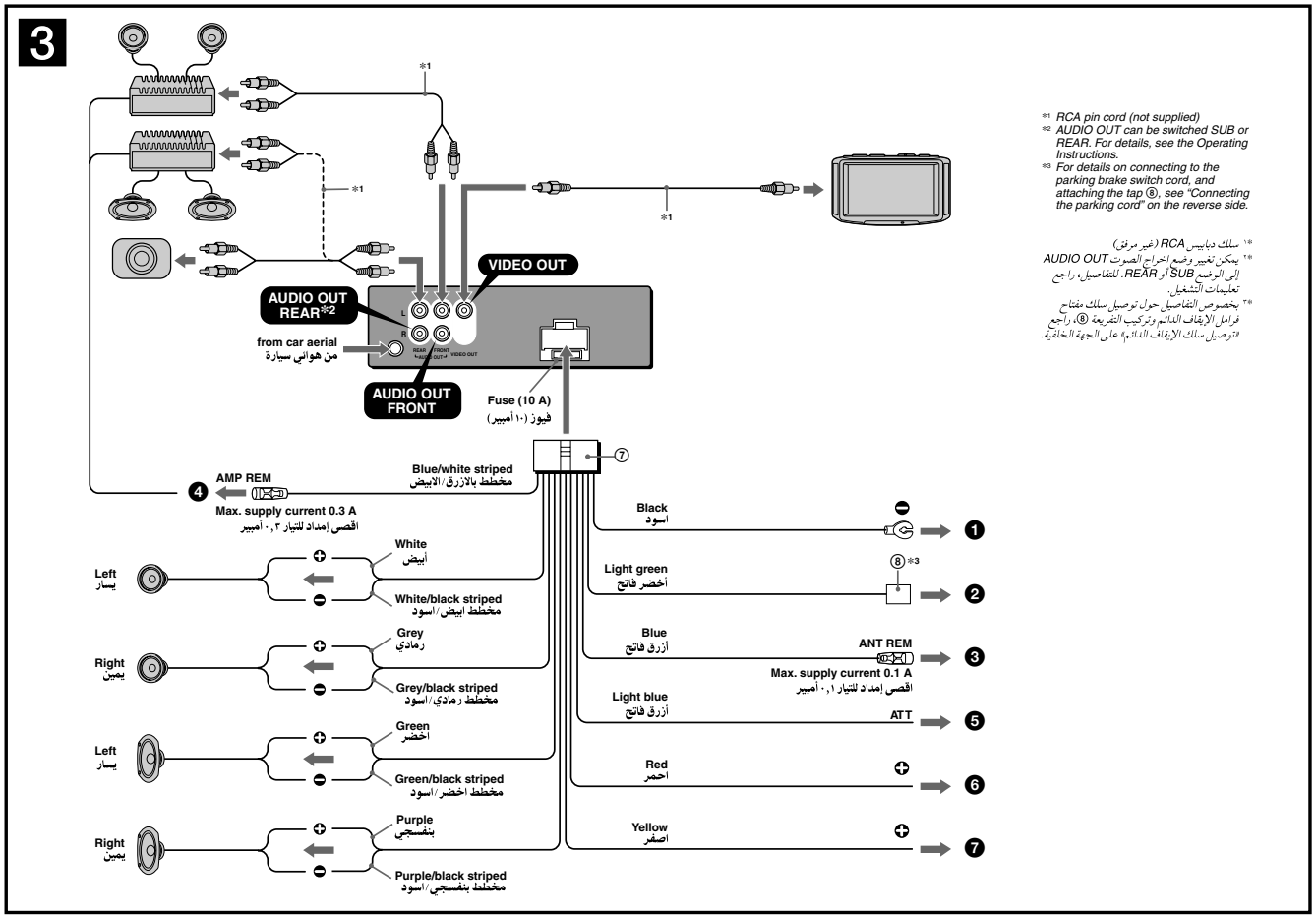
线路连接图例 2

注 **(2-B)**
- 务必在连接放大器之前连接接地线。
- 如果您连接选购的功率放大器而不使用内置放大器，则提示音功能无效。

مثال على التوصيل 2

ملاحظات(2-B)
- تأكد من توصيل سلك التأريض قبل توصيل المضخم.
- سيصدر صوت التنبيه فقط إذا تم استعمال مضخم الصوت الداخلي.

• E model



*1 RCA pin cord (not supplied)
*2 AUDIO OUT can be switched SUB or REAR. For details, see the Operating Instructions.
*3 For details on connecting to the parking brake switch cord, and attaching the tap ⑧, see "Connecting the parking cord" on the reverse side.

*١ سلك دبابيس RCA (غير مرفق)
*٢ يمكن تغيير وضع اخراج الصوت AUDIO OUT إلى الوضع SUB أو REAR. للتفاصيل، راجع تعليمات التشغيل.
*٣ بخصوص التفاصيل حول توصيل سلك مفتاح فرامل الايقاف الدائم وتركيب التفريعة ⑧، راجع «توصيل سلك الايقاف الدائم» على الجهة الخلفية.

Connection diagram 3

❶ **To a metal surface of the car**
First connect the black earth lead, then connect the yellow and red power input leads.

❷ **To the parking brake switch cord**
Be sure to connect the parking cord (light green) to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Refer to "Connecting the parking cord" on the reverse side and consult your car dealer or your nearest Sony dealer for further details.

❸ **To the power aerial control lead or power supply lead of aerial booster amplifier**
Notes
- *It is not necessary to connect this lead if there is no power aerial or aerial booster, or with a manually-operated telescopic aerial.*
- *When your car has a built-in FM/MW/SW aerial in the rear/side glass, see "Notes on the control and power supply leads."*

❹ **To AMP REMOTE IN of an optional power amplifier**
This connection is only for amplifiers. Connecting any other system may damage the unit.

❺ **To the interface cable of a car telephone**

❻ **To the +12 V power terminal which is energized in the accessory position of the ignition key switch**
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black earth lead to a metal surface of the car first.*
- *When your car has a built-in FM/MW/SW aerial in the rear/side glass, see "Notes on the control and power supply leads."*

❼ **To the +12 V power terminal which is energized at all times**
Be sure to connect the black earth lead to a metal surface of the car first.

Notes on the control and power supply leads
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/MW/SW aerial in the rear/side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*
- *A power aerial without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the earth lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

مخطط التوصيل 3

❶ **إلى سطح نقطة معدنية في السيارة**
قم أولاً بتوصيل سلك التأريض الأسود، ومن ثم صل سلكي ادخال التيار الأبيض والأحمر المخططين بخط أبيض/ برتقالي.

❷ **إلى سلك مفتاح فرامل الإيقاف الدائم**
تأكد من توصيل سلك الإيقاف الدائم (أخضر فاتح) بسلك مفتاح فرامل الإيقاف الدائم. موضع تركيب سلك مفتاح فرامل الإيقاف الدائم يعتمد على نوع سيارتك. لمزيد من التفاصيل، راجع قسم «توصيل سلك الإيقاف الدائم» على الجهة الخلفية وقم باستشارة موزع سيارتك أو أقرب وكيل لمنتجات سوني SONY لديك.

❸ **إلى سلك التحكم في الهوائي الآلي أو سلك امداد الطاقة بمضخم معزز الهوائي**
ملاحظات
- *ليس من الضروري توصيل هذا السلك إذا لم يتوفر هوائي آلي أو معزز هوائي، أو بهوائي تلسكوبي يعمل يدوياً.*
- *عندما تكون سيارتك تتضمن هوائي FM/MW/SW داخلي في الزجاج الجانبي الخلفي، راجع قسم «ملاحظات حول أسلاك التحكم وامداد التيار».*

❹ **للتوصيل إلى AMP REMOTE IN لمضخم القدرة الاختياري**
هذه التوصيلة مخصصة فقط لأجهزة تضخيم الصوت. توصيل أي جهاز آخر قد يضر بالوحدة.

❺ **إلى كبل ربط هاتف السيارة**

❻ **إلى طرف التيار + ١٢ فولت الذي يسري فيه التيار عندما يكون مفتاح تشغيل المحرك في وضع الكماليات**
ملاحظات
- *عند عدم وجود وضع الكماليات، قم بالتوصيل إلى طرف التيار + ١٢ فولت والذي يولد طاقة في جميع الأوقات. تأكد أولاً من توصيل السلك الأسود بسطح نقطة معدنية في السيارة.*
- *عندما تكون سيارتك تتضمن هوائي FM/MW/SW داخلي في الزجاج الجانبي الخلفي، راجع قسم «ملاحظات حول أسلاك التحكم وامداد التيار».*

❼ **إلى طرف توصيل التيار + ١٢ فولت الذي يسري فيه التيار باستمرار**
تأكد أولاً من توصيل السلك الأسود بسطح نقطة معدنية في السيارة.

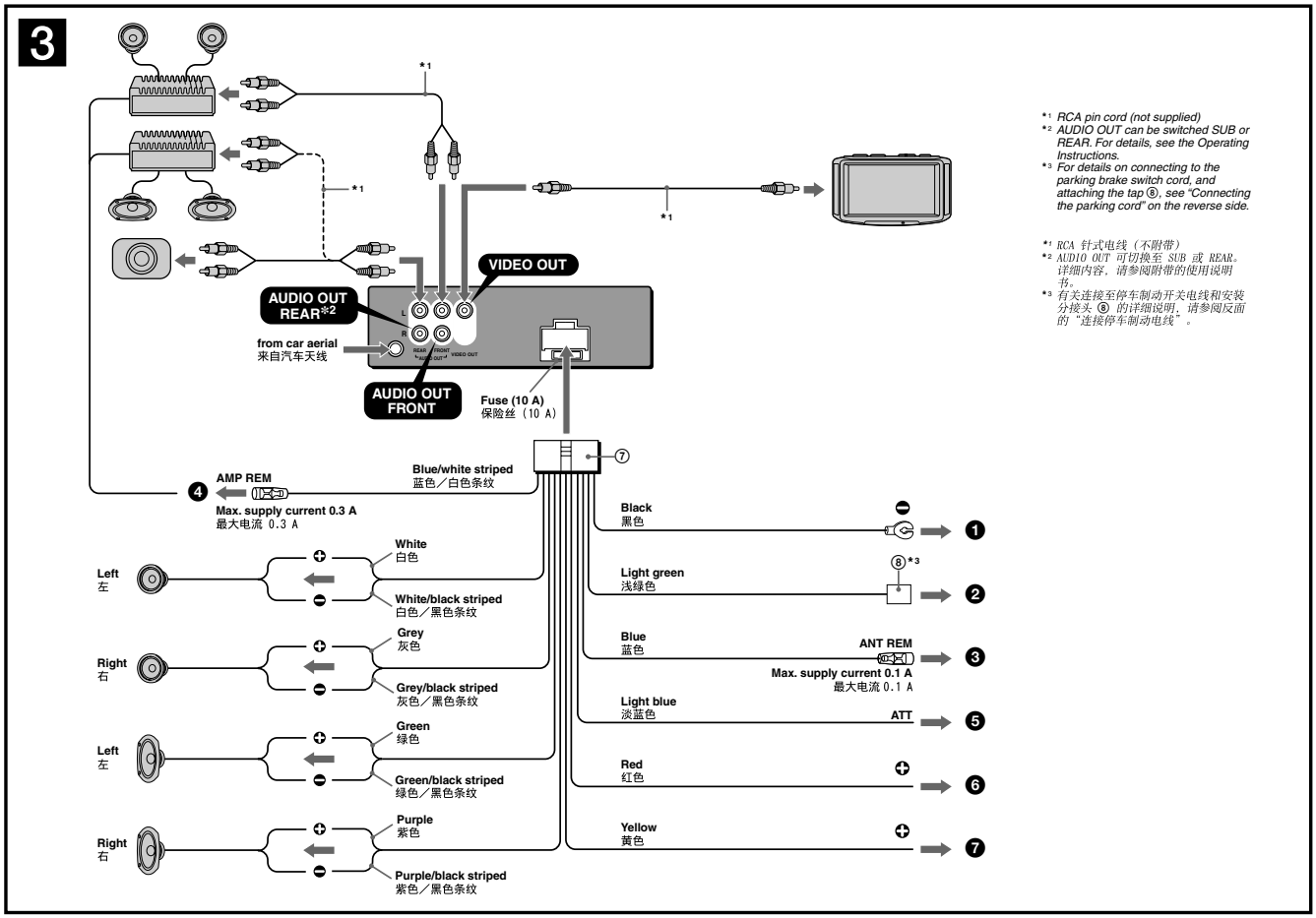
ملاحظات حول أسلاك التحكم وامداد التيار
- *سلك التحكم في الهوائي الآلي (أزرق) يقوم بإمداد تيار مباشر + ١٢ فولت عندما تقوم بتشغيل المولف.*
- *عندما تكون سيارتك تتضمن هوائي FM/MW/SW داخلي في الزجاج الجانبي الخلفي، من الضروري توصيل سلك التحكم في الهوائي الآلي (أزرق) أو سلك دخل قدرة الكماليات (أحمر) إلى طرف توصيل القدرة لمعزز الهوائي الموجود أصلاً. لمزيد من التفاصيل، قم باستشارة الوكيل لديك.*
- *لا يمكن استعمال هوائي آلي بدون صندوق ترحيل مع هذه الوحدة.*

توصيلة حفظ الذاكرة
عند توصيل سلك التيار الأصفر، يتم امداد التيار بصورة مستمرة الى دائرة الذاكرة حتى أثناء إيقاف مفتاح تشغيل المحرك.

ملاحظات حول توصيل السماعات
- *قبل توصيل السماعات، أوقف تشغيل الجهاز.*
- *استعمل سماعات بمعاوقة من ٤ إلى ٨ أوم وسعة تحمّل قدرة مناسبة لتفادي الاصابة بضرر.*
- *لا تقم بتوصيل أطراف توصيل نظام السماعات بهيكل السيارة، ولا تقم بتوصيل أطراف توصيل السماعة اليمنى بأطراف توصيل السماعة اليسرى.*
- *لا تقم بتوصيل سلك التأريض لهذا الجهاز إلى الطرف السالب (–) لسماعة التكبير.*
- *لا تعمد إلى توصيل السماعات بشكل متواز.*
- *قم بتوصيل سماعات التكبير الغير فعالة. توصيل سماعات التكبير الفعالة (باستعمال مضخم صوت داخلي) إلى أطراف سماعات التكبير قد يلحق أضرار بالوحدة.*
- *لتفادي الأعطال، لا تستعمل أسلاك سماعة التكبير الداخلية المركبة في سيارتك اذا كانت الوحدة تقاسم طرف سالب (–) عام للسماعات اليمنى واليسرى.*
- *لا تقم بتوصيل أسلاك سماعة التكبير بعضهما البعض.*

ملاحظة حول التوصيل
إذا لم يتم توصيل السماعة ومضخم الصوت بشكل صحيح، تظهر العبارة "FAILURE" على العارضة. في هذه الحالة، تأكد من توصيل السماعة ومضخم الصوت بشكل صحيح.

• CH model



Connection diagram 3

❶ To a metal surface of the car
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❷ To the parking brake switch cord
Be sure to connect the parking cord (light green) to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Refer to "Connecting the parking cord" on the reverse side and consult your car dealer or your nearest Sony dealer for further details.

❸ To the power aerial control lead or power supply lead of aerial booster amplifier
Notes
- *It is not necessary to connect this lead if there is no power aerial or aerial booster, or with a manually-operated telescopic aerial.*
- *When your car has a built-in FM/MW/SW aerial in the rear/side glass, see "Notes on the control and power supply leads."*

❹ To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

❺ To the interface cable of a car telephone

❻ To the +12 V power terminal which is energized in the accessory position of the ignition key switch
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black earth lead to a metal surface of the car first.*
- *When your car has a built-in FM/MW/SW aerial in the rear/side glass, see "Notes on the control and power supply leads."*

❼ To the +12 V power terminal which is energized at all times
Be sure to connect the black earth lead to a metal surface of the car first.

Notes on the control and power supply leads
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/MW/SW aerial in the rear/side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*
- *A power aerial without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the earth lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

线路连接图 3

❶ 至汽车金属表面
首先连接黑色接地导线，然后连接橙色/白色条纹、黄色以及红色电源输入导线。

❷ 至停车制动开关电线
确保将停车电线（浅绿色）连接至停车制动开关电线。
停车制动开关电线的安装位置视您的汽车而定。
更多详细说明，请参阅反面的“连接停车电线”，并向您的汽车经销商或附近的Sony经销商咨询。

❸ 至电动天线控制导线或天线升缩放大器的电源导线
注
- 如果没有电动天线或天线升缩器，或有手动伸缩式天线，则无需连接此导线。
- 若汽车的后/侧玻璃内有内置 FM/MW/SW 天线，请参阅“关于控制导线和电源导线的注意事项”。

❹ 至选购的功率放大器的 AMP REMOTE IN
此连接仅适用于功率放大器。连接其它系统可能损坏本机。

❺ 至车载电话接口电缆

❻ 至 +12 V 电源端子，该端子在点火开关附件位置通电
注
- 如果没有附件位置，则连接至 +12 V 电源（蓄电池）端子，该端子随时处于通电状态。
确保首先将黑色接地导线连接至汽车金属表面。
- 若汽车的后/侧玻璃内有内置 FM/MW/SW 天线，请参阅“关于控制导线和电源导线的注意事项”。

❼ 至 +12 V 电源端子，该端子随时处于通电状态
确保首先将黑色接地导线连接至汽车金属表面。

关于控制导线和电源导线的注意事项
- 打开调谐器电源时，电动天线的控制导线（蓝色）便能提供 +12 V 直流电。
- 当汽车的后/侧玻璃窗上有内置 FM/MW/SW 天线时，请将电动天线控制线（蓝色）或辅助电源输入电线（红色）连接至现有天线升缩器上的电源端子上。详细说明，请与您的经销商联系。
- 本机不能使用不具备继电器盒的电动天线。

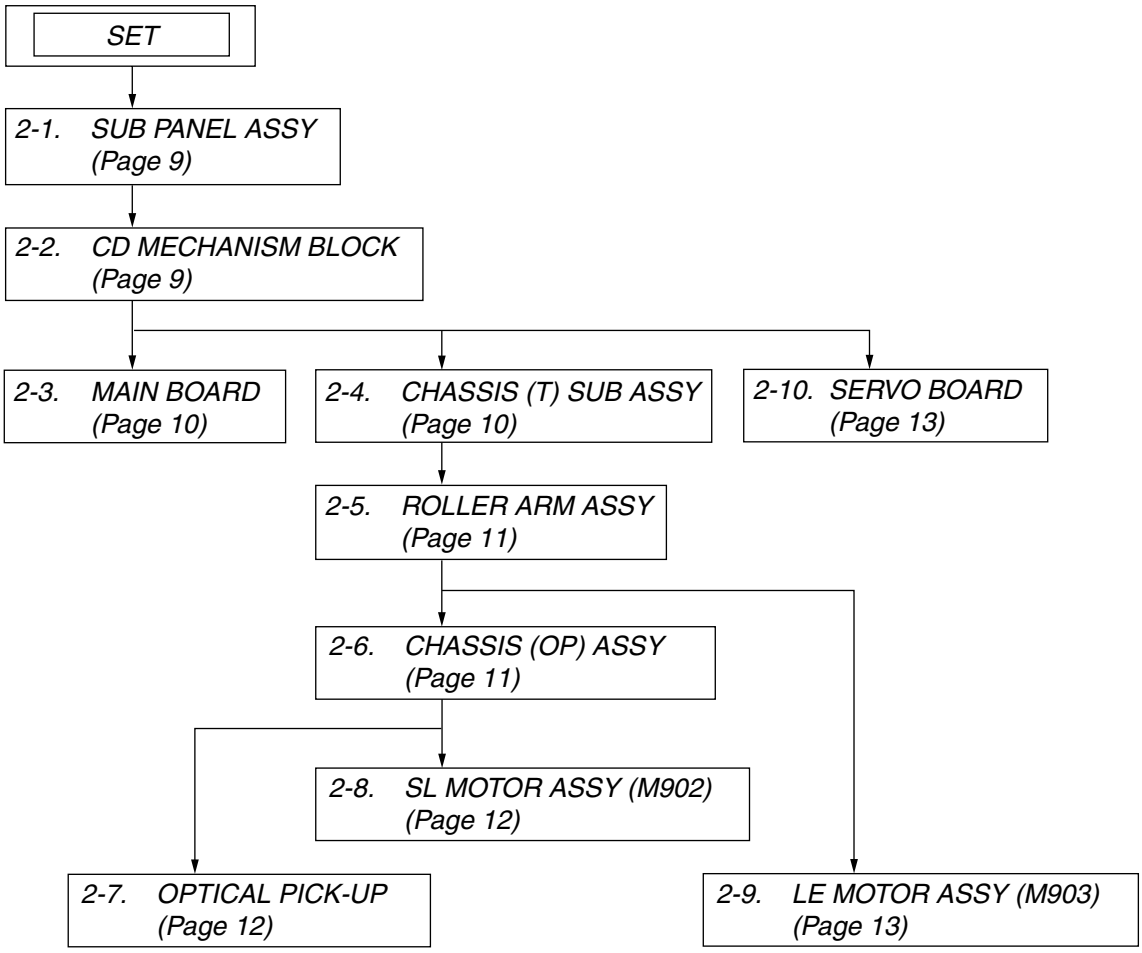
保持记忆的线路连接法
当连接了黄色的电源输入电线时，即使点火开关关闭，电源仍将对记忆电路供电。

关于扬声器连接的注意事项
- 连接扬声器之前，请关闭本机电源。
- 请使用阻抗为 4-8 欧姆且具有足够功率处理能力的扬声器，以免损坏。
- 勿将扬声器端子连接到汽车底盘上，或将右扬声器的端子与左扬声器的端子连接。
- 勿将本机的接地线连接到扬声器的负极（-）端子上。
- 扬声器不可并联连接。
- 请仅连接无源扬声器。将有源扬声器（具有内置放大器）连接到扬声器端子可能会损坏本机。
- 若本机使用左、右扬声器的共用负极（-）电线，为了避免故障，切勿使用安装在汽车内的内置扬声器电线。
- 请勿将本机扬声器电线相互连接。

连接的注意事项
如果未正确连接扬声器和放大器，则显示屏上会出现“FAILURE”。这时，请确认扬声器和放大器是否连接正确。

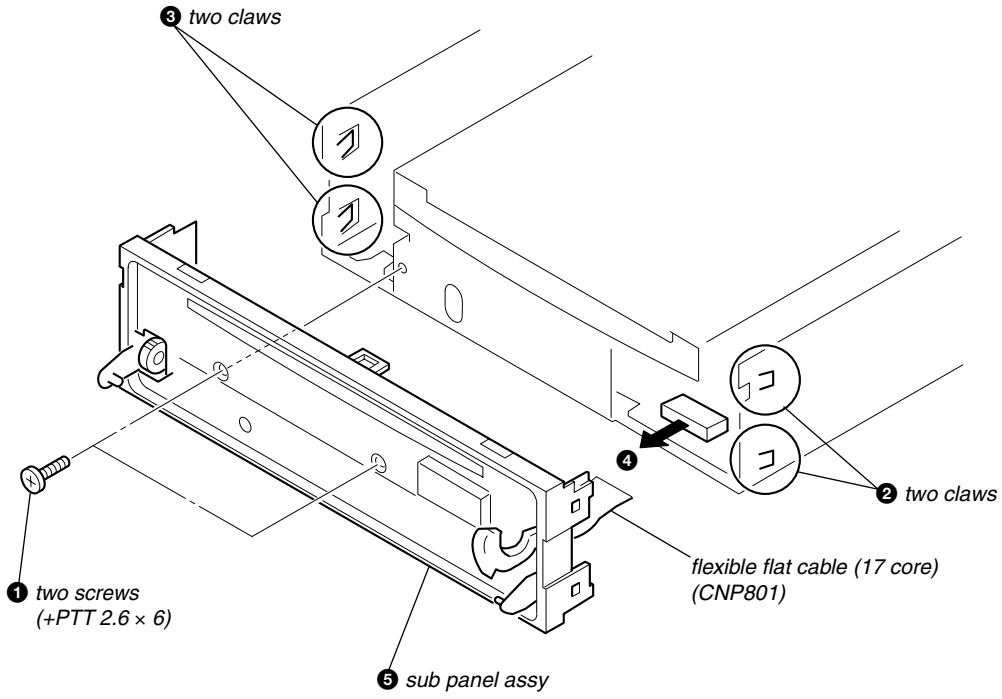
SECTION 2
DISASSEMBLY

Note: This set can be disassemble according to the following sequence.

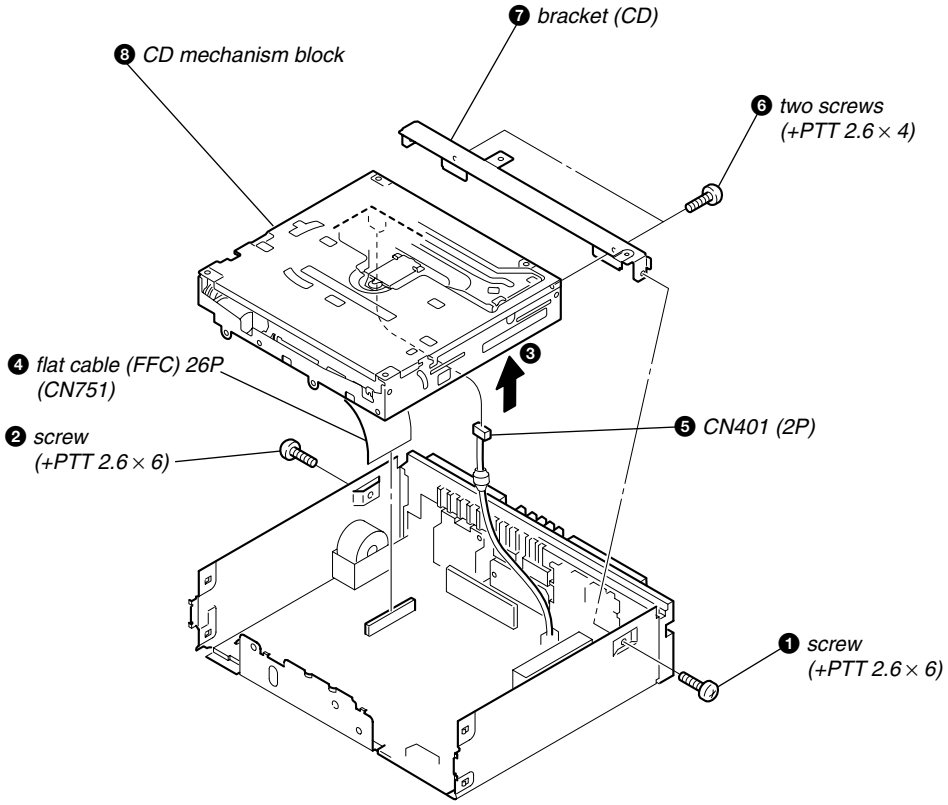

SET
2-1. SUB PANEL ASSY (Page 9)
2-2. CD MECHANISM BLOCK (Page 9)
2-3. MAIN BOARD (Page 10)
2-4. CHASSIS (T) SUB ASSY (Page 10)
2-10. SERVO BOARD (Page 13)
2-5. ROLLER ARM ASSY (Page 11)
2-6. CHASSIS (OP) ASSY (Page 11)
2-8. SL MOTOR ASSY (M902) (Page 12)
2-7. OPTICAL PICK-UP (Page 12)
2-9. LE MOTOR ASSY (M903) (Page 13)

Note: Follow the disassembly procedure in the numerical order given.

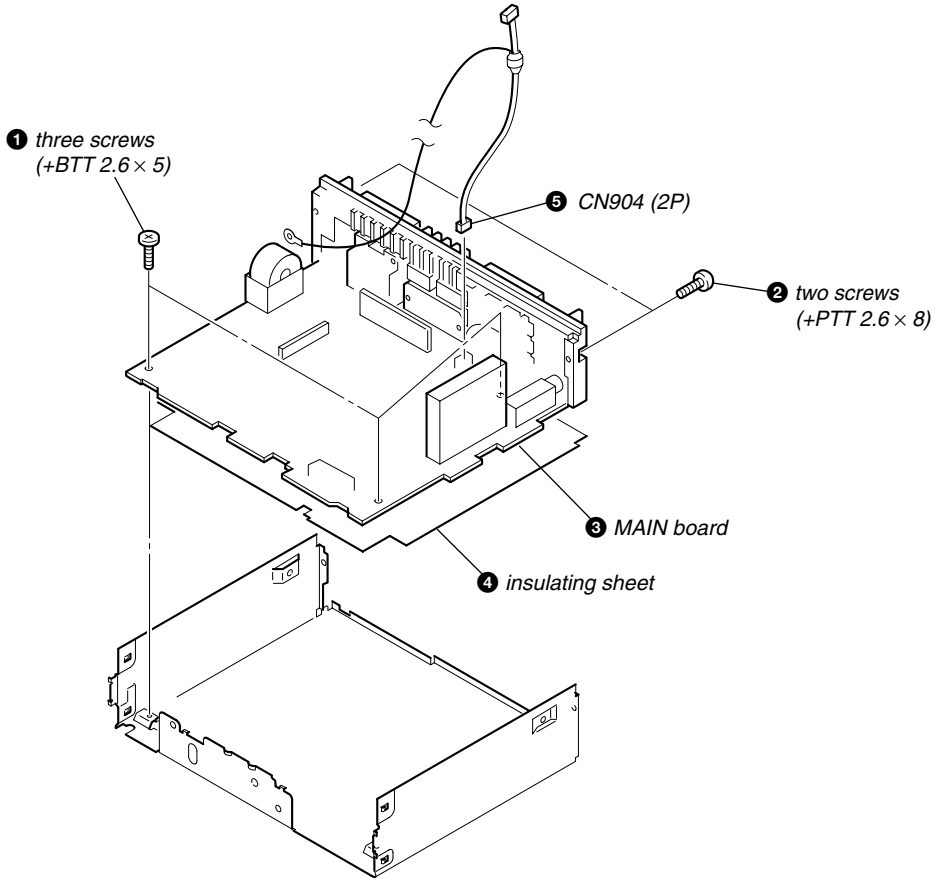
2-1. SUB PANEL ASSY



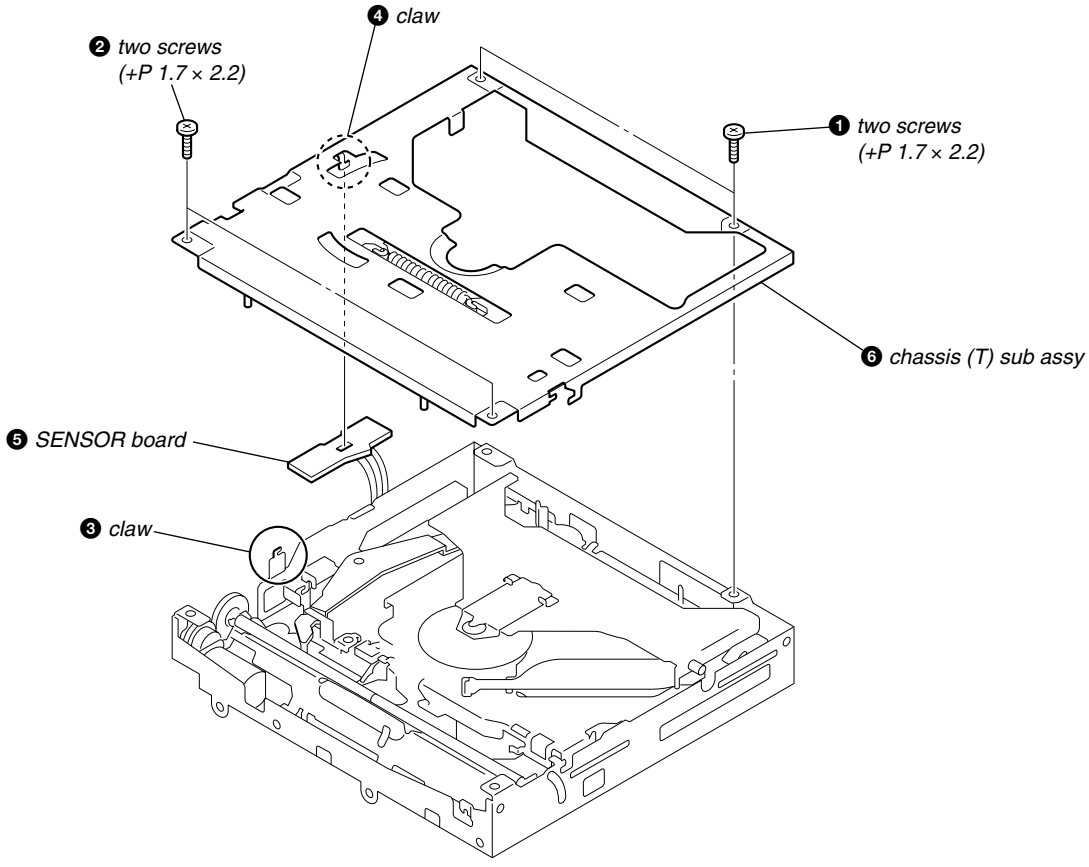
2-2. CD MECHANISM BLOCK



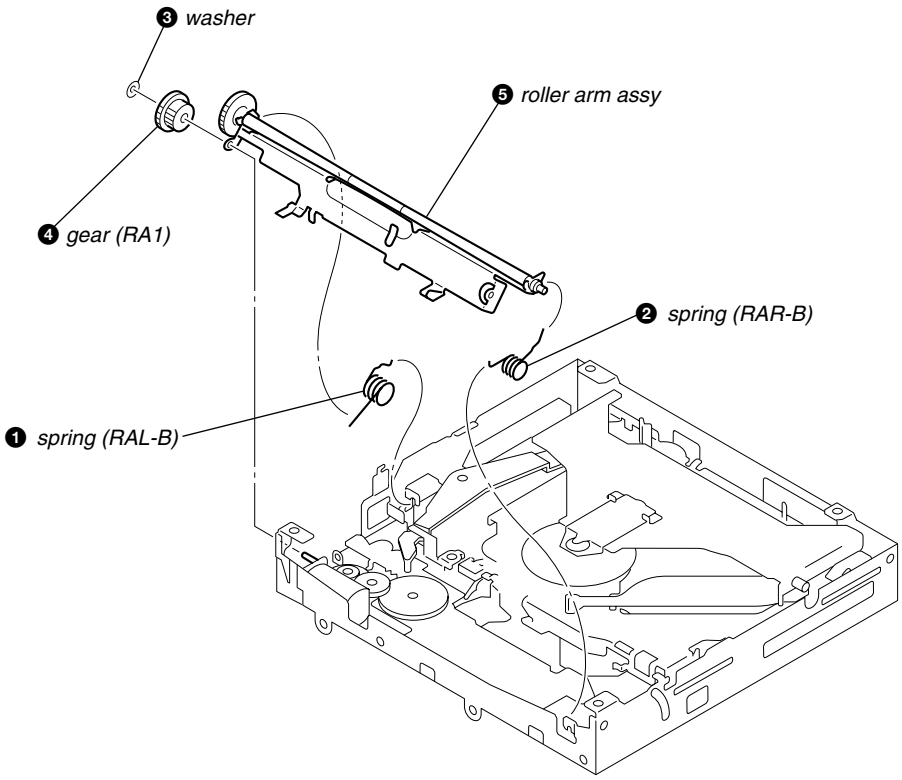
2-3. MAIN BOARD



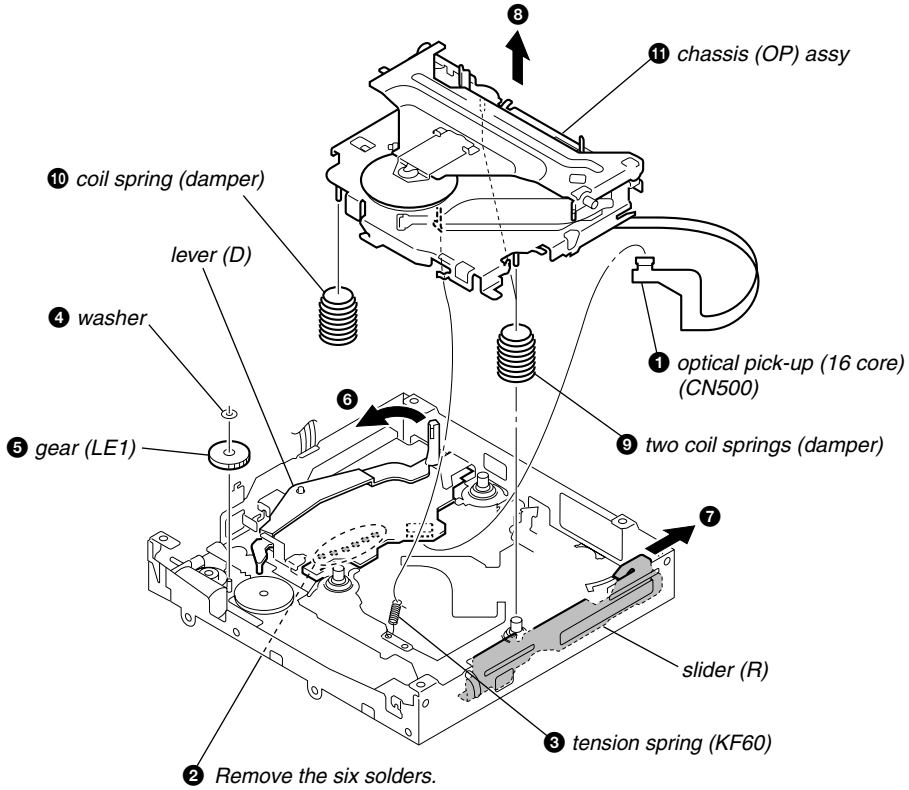
2-4. CHASSIS (T) SUB ASSY



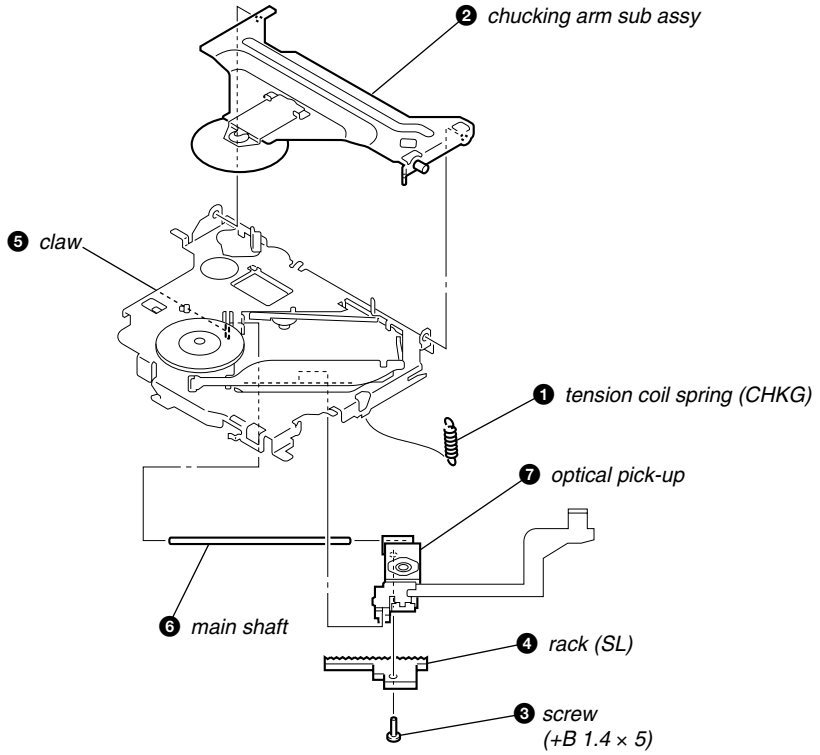
2-5. ROLLER ARM ASSY



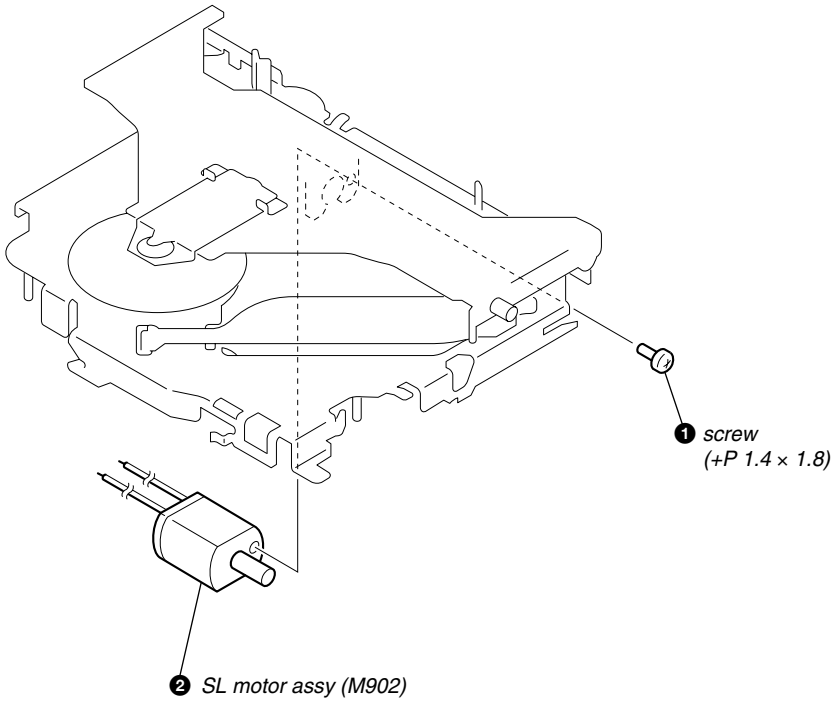
2-6. CHASSIS (OP) ASSY



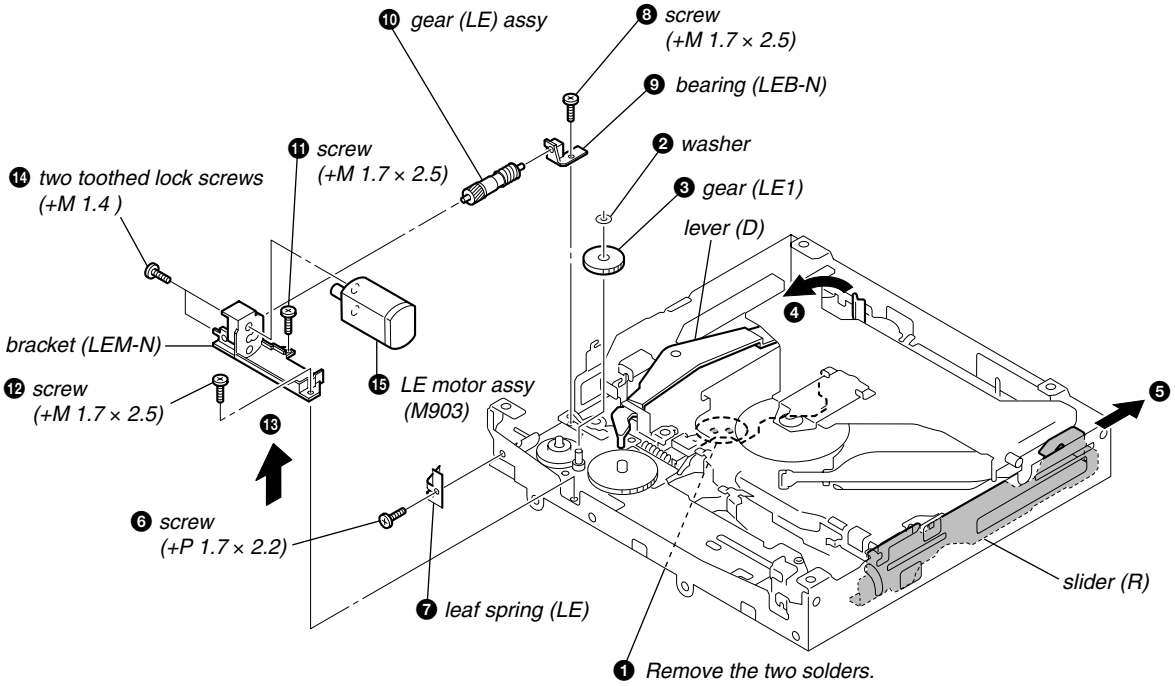
2-7. OPTICAL PICK-UP



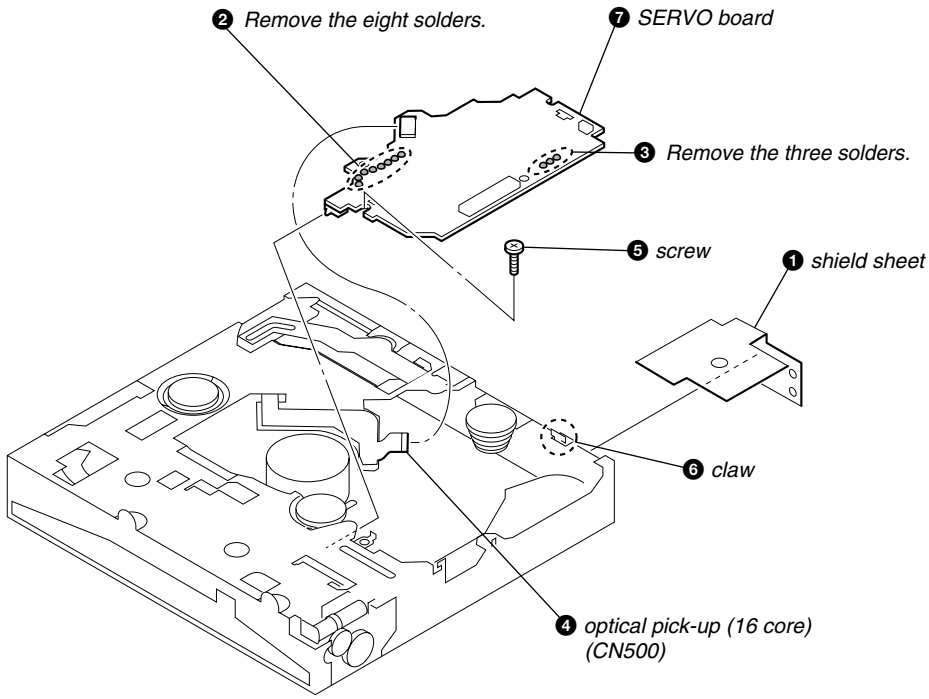
2-8. SL MOTOR ASSY (M902)



2-9. LE MOTOR ASSY (M903)



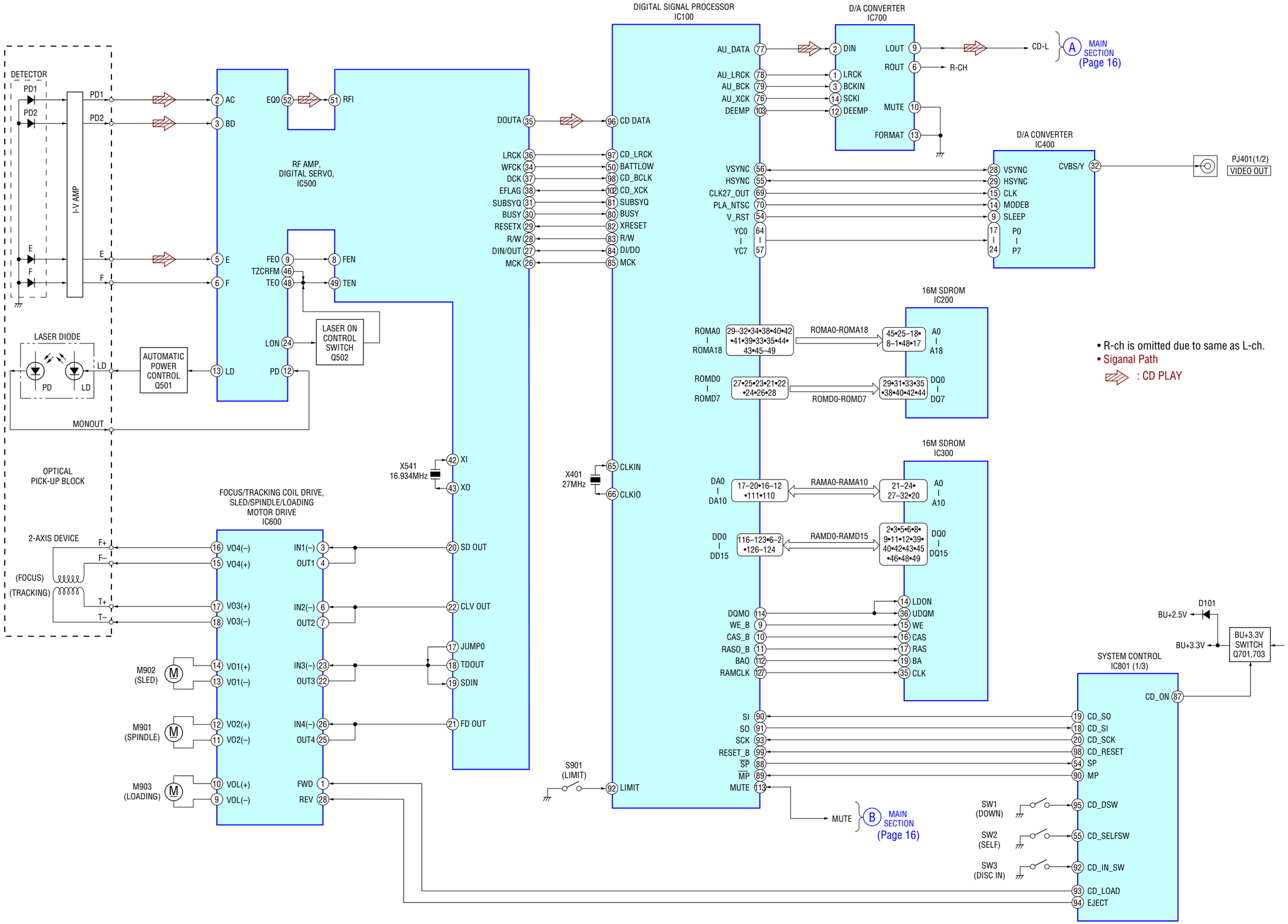
2-10. SERVO BOARD



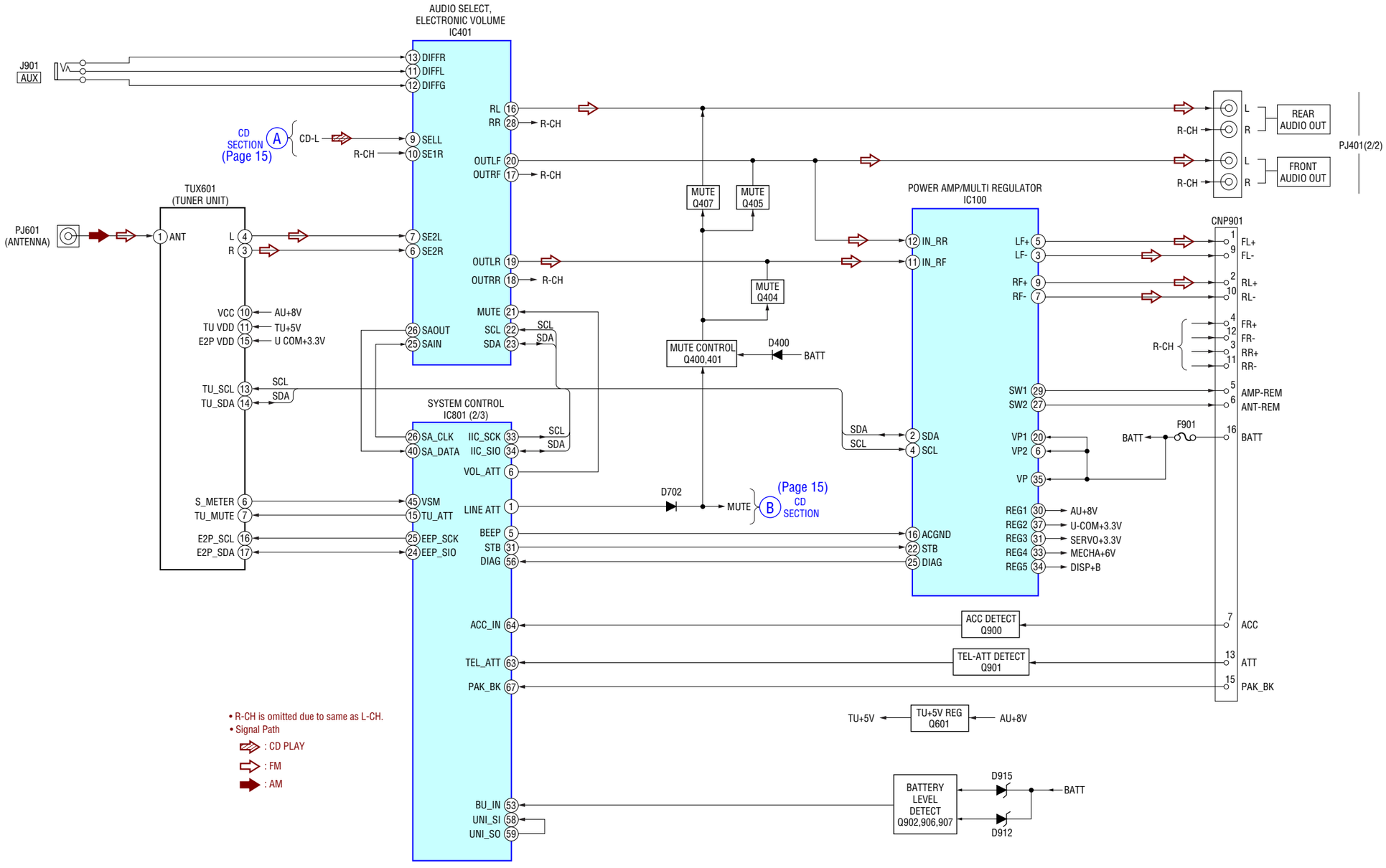
MEMO

SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM — CD SECTION —

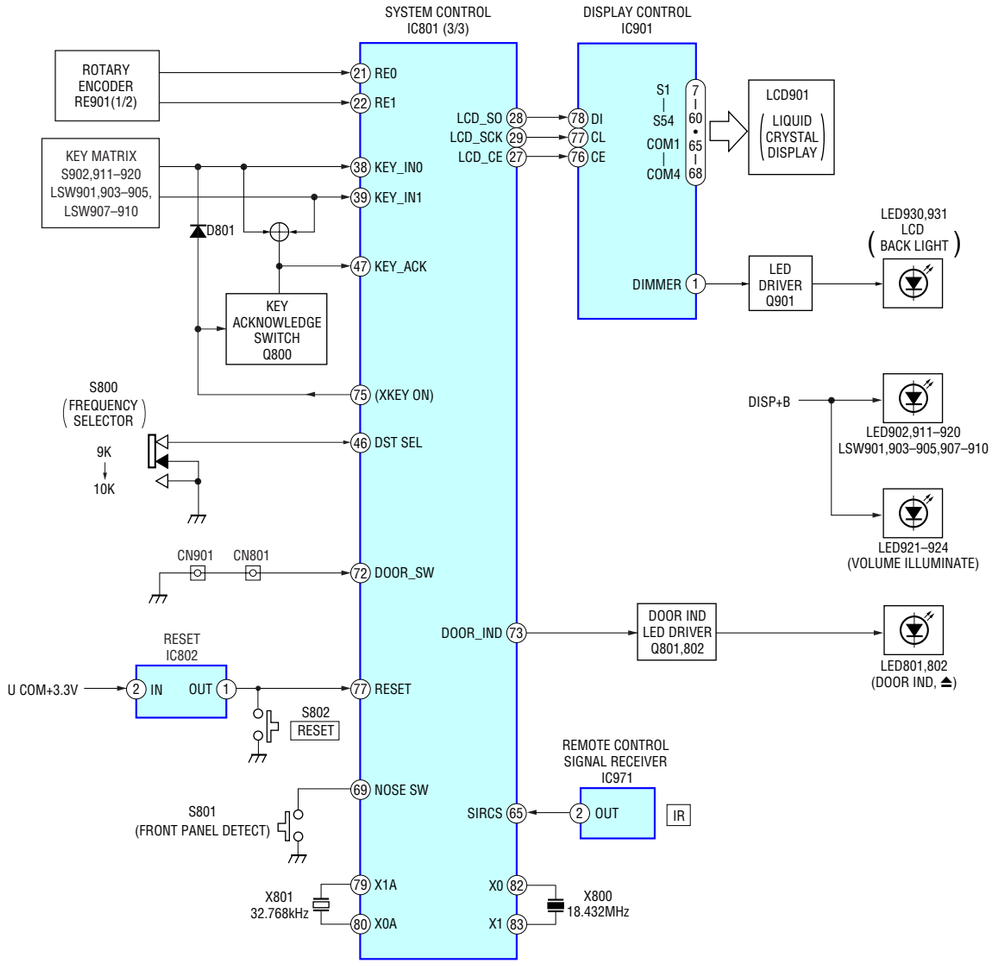


3-2. BLOCK DIAGRAM — MAIN SECTION —

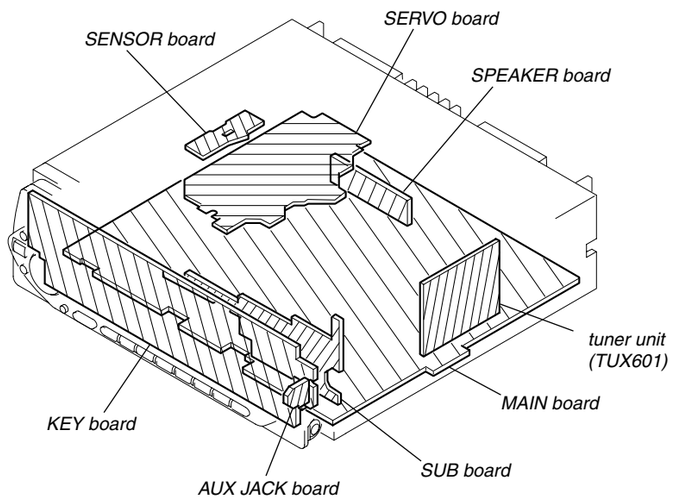


• R-CH is omitted due to same as L-CH.
• Signal Path
: CD PLAY
: FM
: AM

3-3. BLOCK DIAGRAM — KEY SECTION —



3-4. CIRCUIT BOARDS LOCATION



• NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- ▬ : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD mechanism section (1/2), (2/2)
  no mark : CD PLAY
- Main (1/3), (2/3), (3/3) and Key sections
  no mark : FM
  < > : CD PLAY
  ✻ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD PLAY
  ⇨ : FM
  ➡ : AM

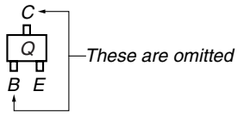
For printed wiring boards.

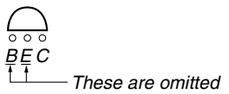
Note:

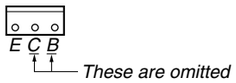
- o—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:
Pattern face side: (Side B) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A) Parts on the parts face side seen from the parts face are indicated.





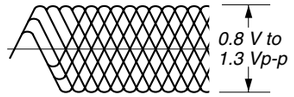


• Waveforms

— SERVO Board —
(MODE: CD PLAY)

① **IC500 ㊸ (XO)**

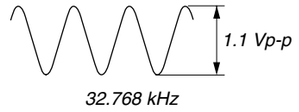
② **IC500 ㊷ (EQO)**



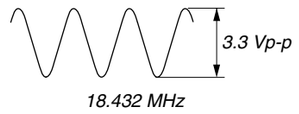
③ **IC100 ㊺ (CLKIN)**

— MAIN Board —

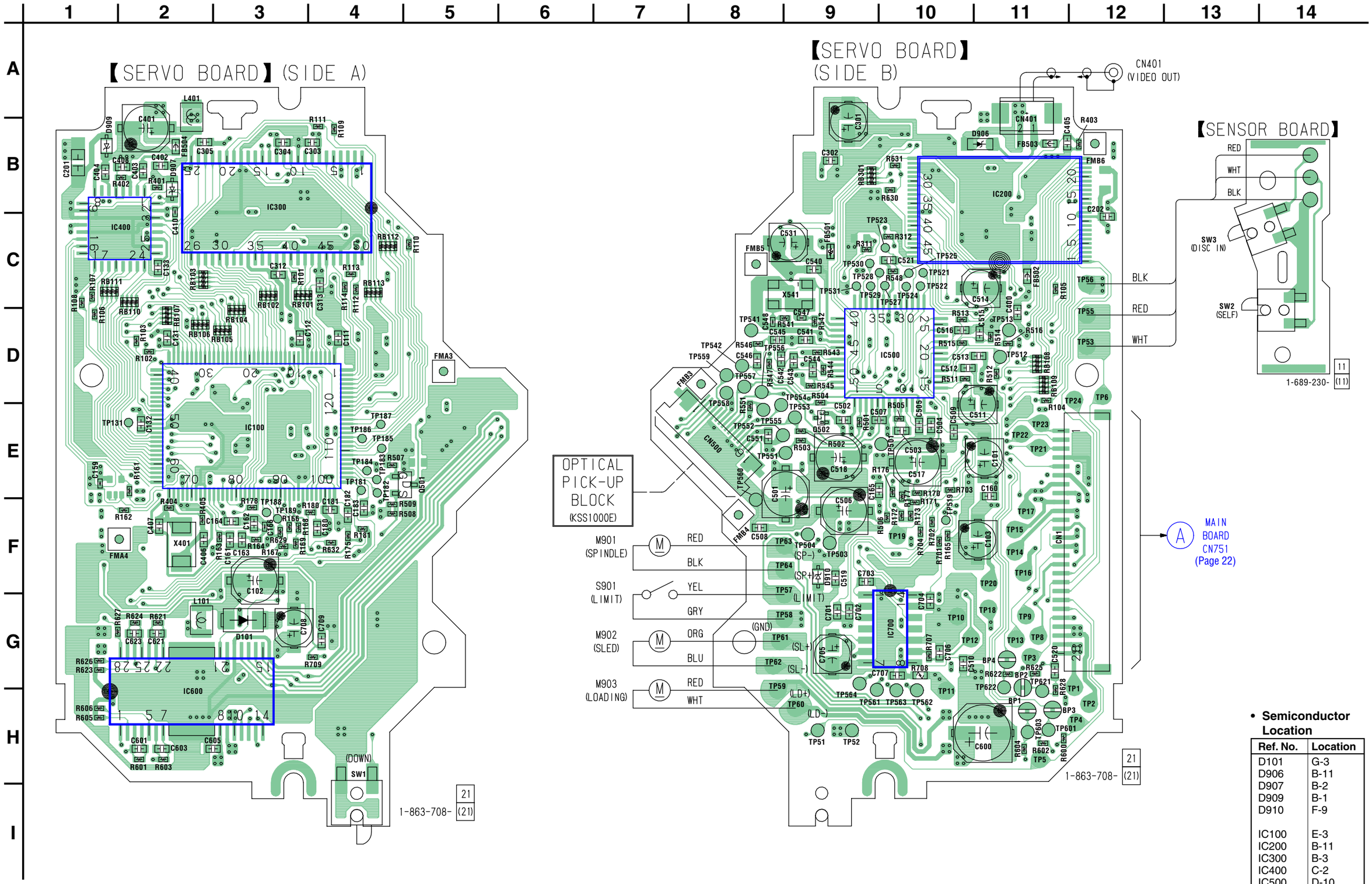
① **IC801 ㊾ (X1A)**



② **IC801 ㊸ (X1)**



3-5. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 17 for Circuit Boards Location. : Uses unleaded solder.

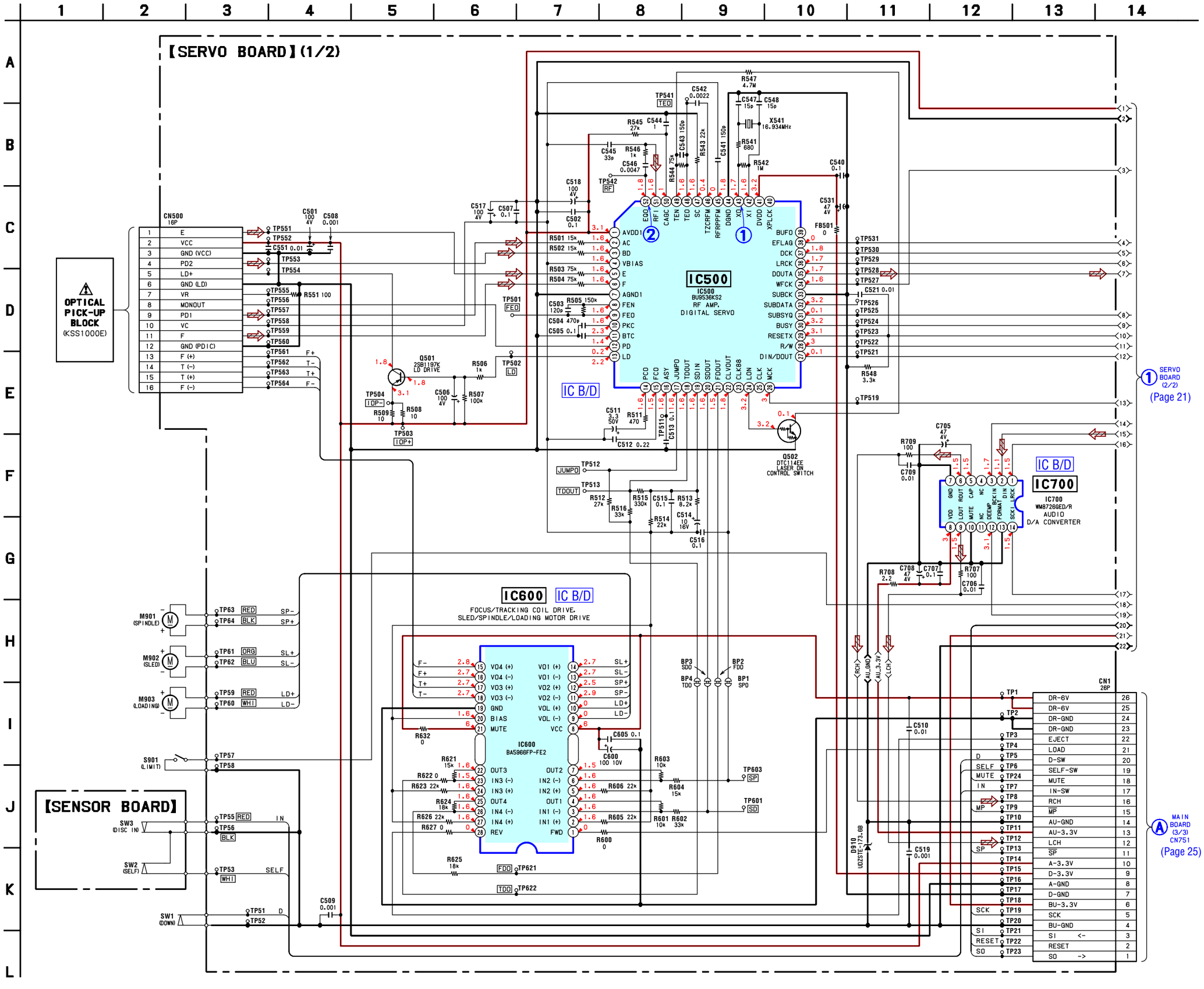


- **Semiconductor Location**

Ref. No.	Location
D101	G-3
D906	B-11
D907	B-2
D909	B-1
D910	F-9
IC100	E-3
IC200	B-11
IC300	B-3
IC400	C-2
IC500	D-10
IC600	H-2
IC700	G-10
Q501	E-5
Q502	E-9

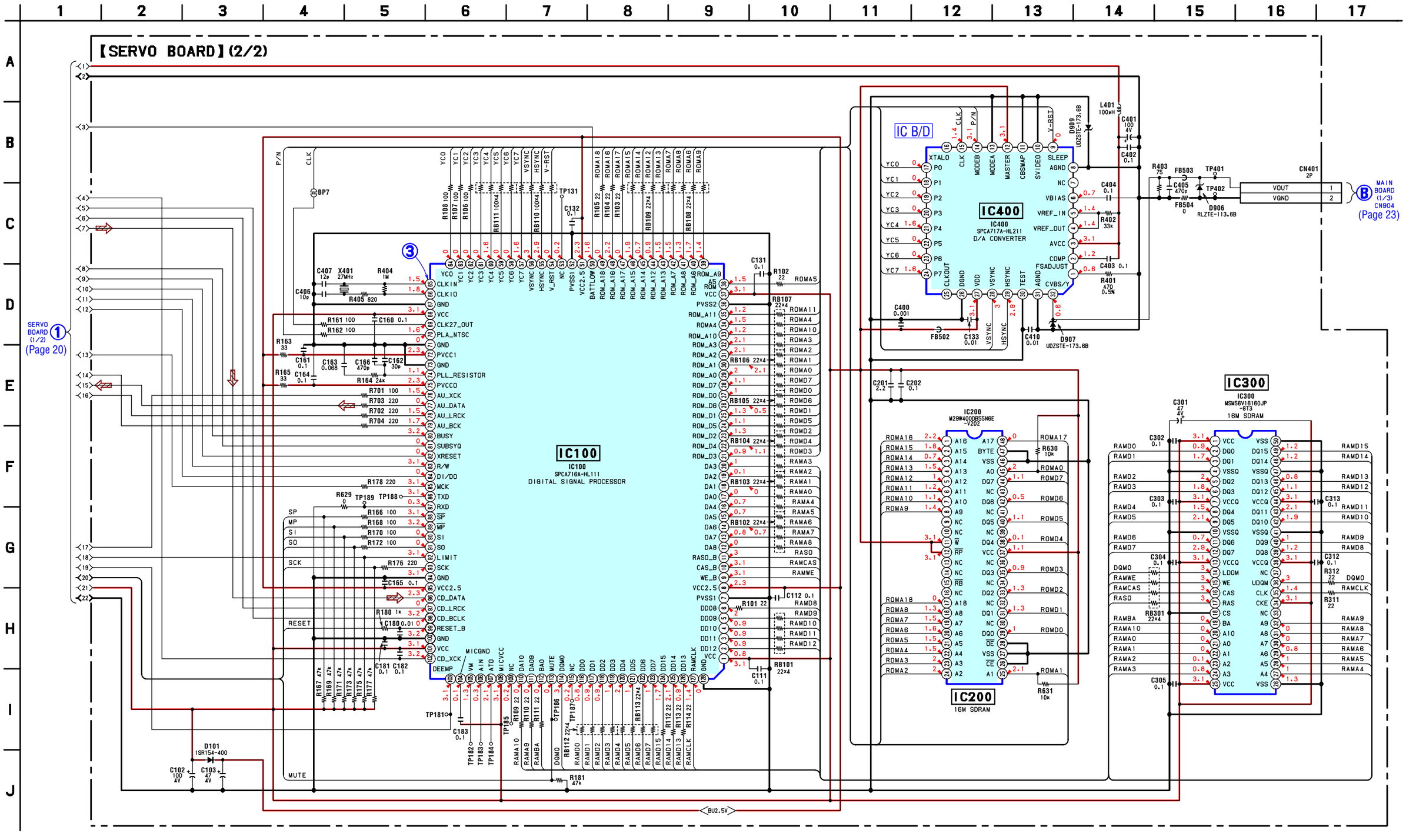
- Refer to page 18 for Waveforms.
- Refer to page 29 for IC Block Diagrams.
- Refer to page 31 for IC Pin Descriptions of IC500.

3-6. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) —



3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) —

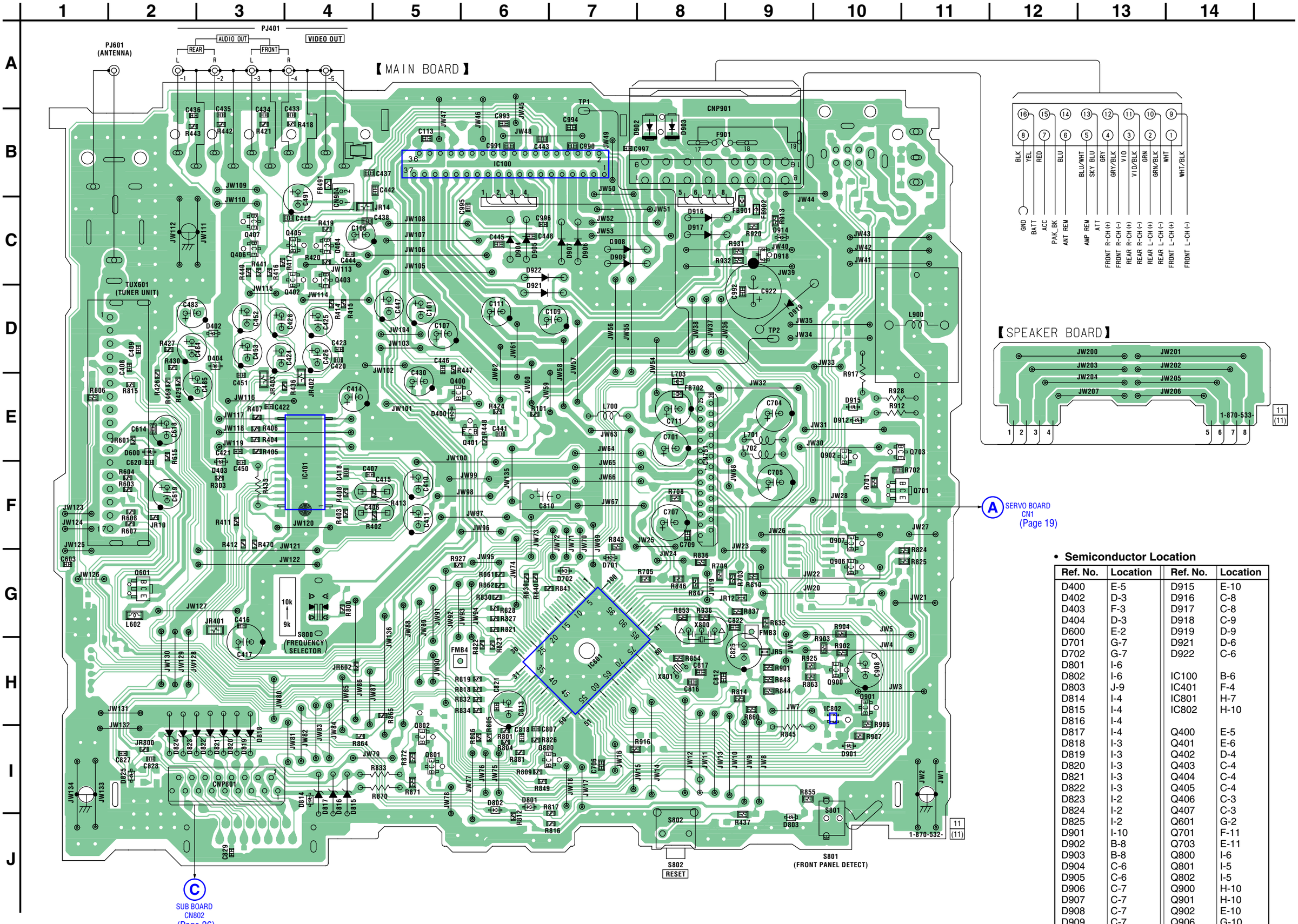
- Refer to page 18 for Waveform.
- Refer to page 29 for IC Block Diagram.
- Refer to page 33 for IC Pin Descriptions of IC400.



3-8. PRINTED WIRING BOARDS — MAIN SECTION —

• Refer to page 17 for Circuit Boards Location.

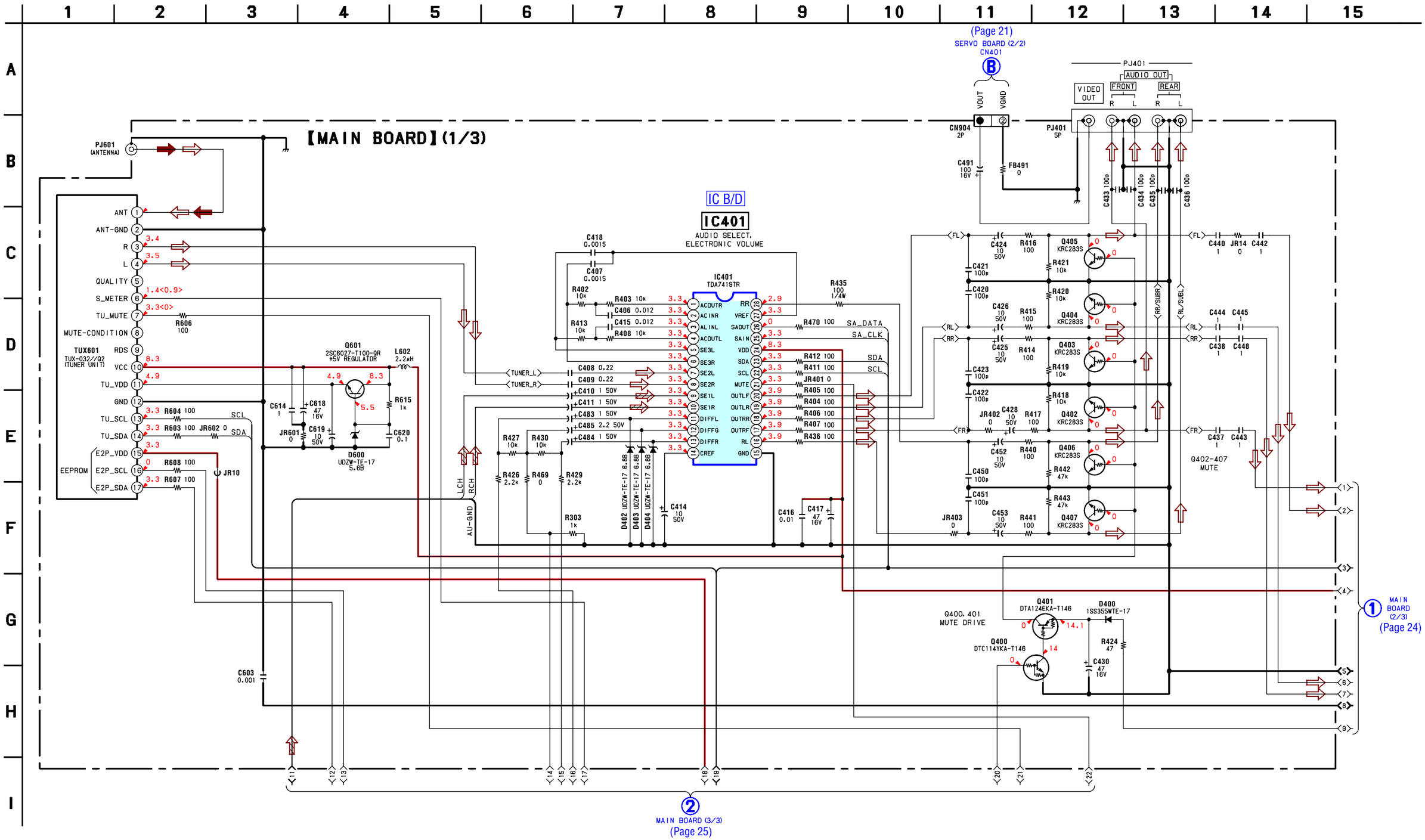
: Uses unleaded solder.



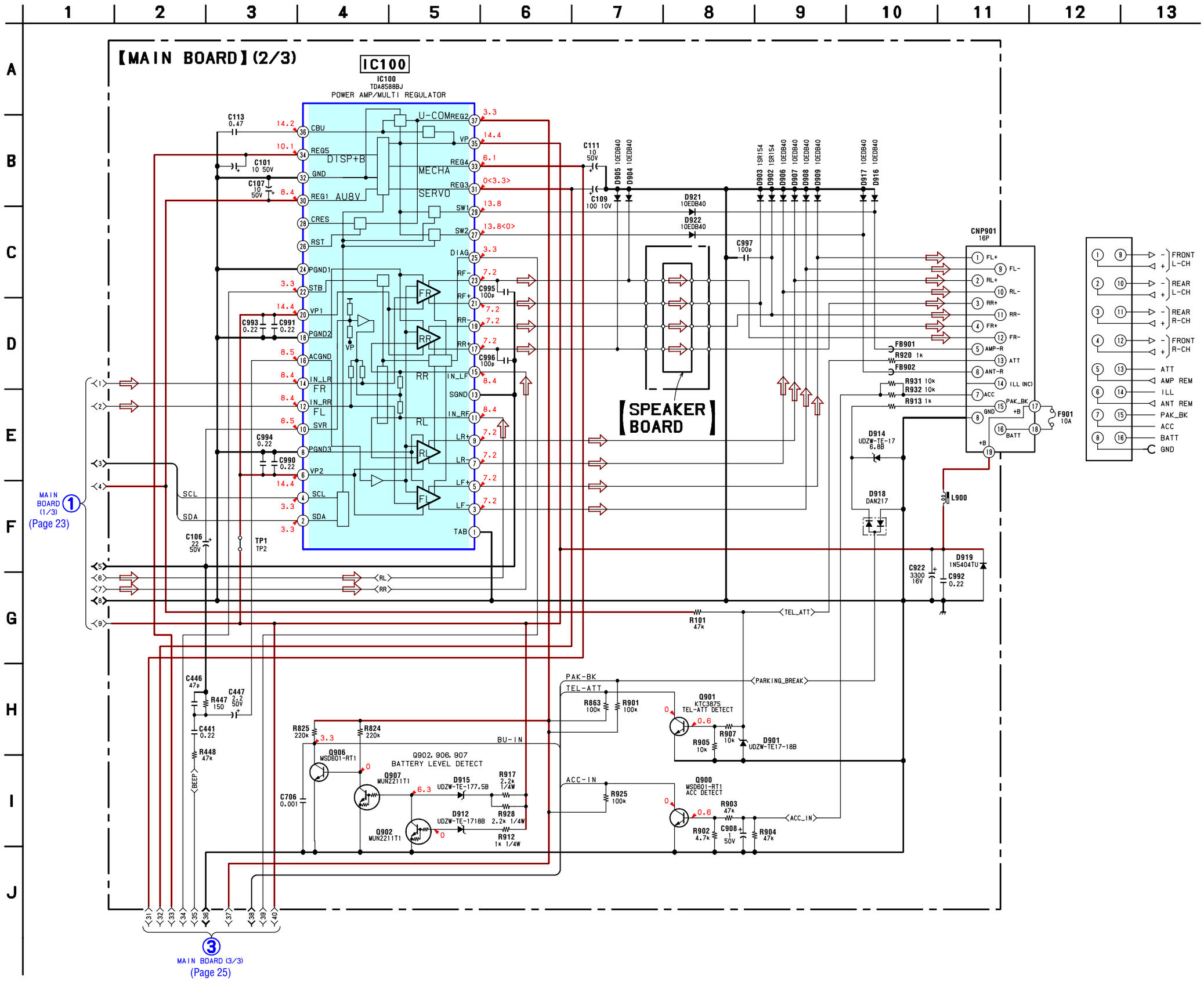
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D400	E-5	D915	E-10
D402	D-3	D916	C-8
D403	F-3	D917	C-8
D404	D-3	D918	C-9
D600	E-2	D919	D-9
D701	G-7	D921	D-6
D702	G-7	D922	C-6
D801	I-6		
D802	I-6	IC100	B-6
D803	J-9	IC401	F-4
D814	I-4	IC801	H-7
D815	I-4	IC802	H-10
D816	I-4		
D817	I-4	Q400	E-5
D818	I-3	Q401	E-6
D819	I-3	Q402	D-4
D820	I-3	Q403	C-4
D821	I-3	Q404	C-4
D822	I-3	Q405	C-4
D823	I-2	Q406	C-3
D824	I-2	Q407	C-3
D825	I-2	Q601	G-2
D901	I-10	Q701	F-11
D902	B-8	Q703	E-11
D903	B-8	Q800	I-6
D904	C-6	Q801	I-5
D905	C-6	Q802	I-5
D906	C-7	Q900	H-10
D907	C-7	Q901	H-10
D908	C-7	Q902	E-10
D909	C-7	Q906	G-10
D912	E-10	Q907	F-10
D914	C-9		

3-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) — • Refer to page 30 for IC Block Diagram.

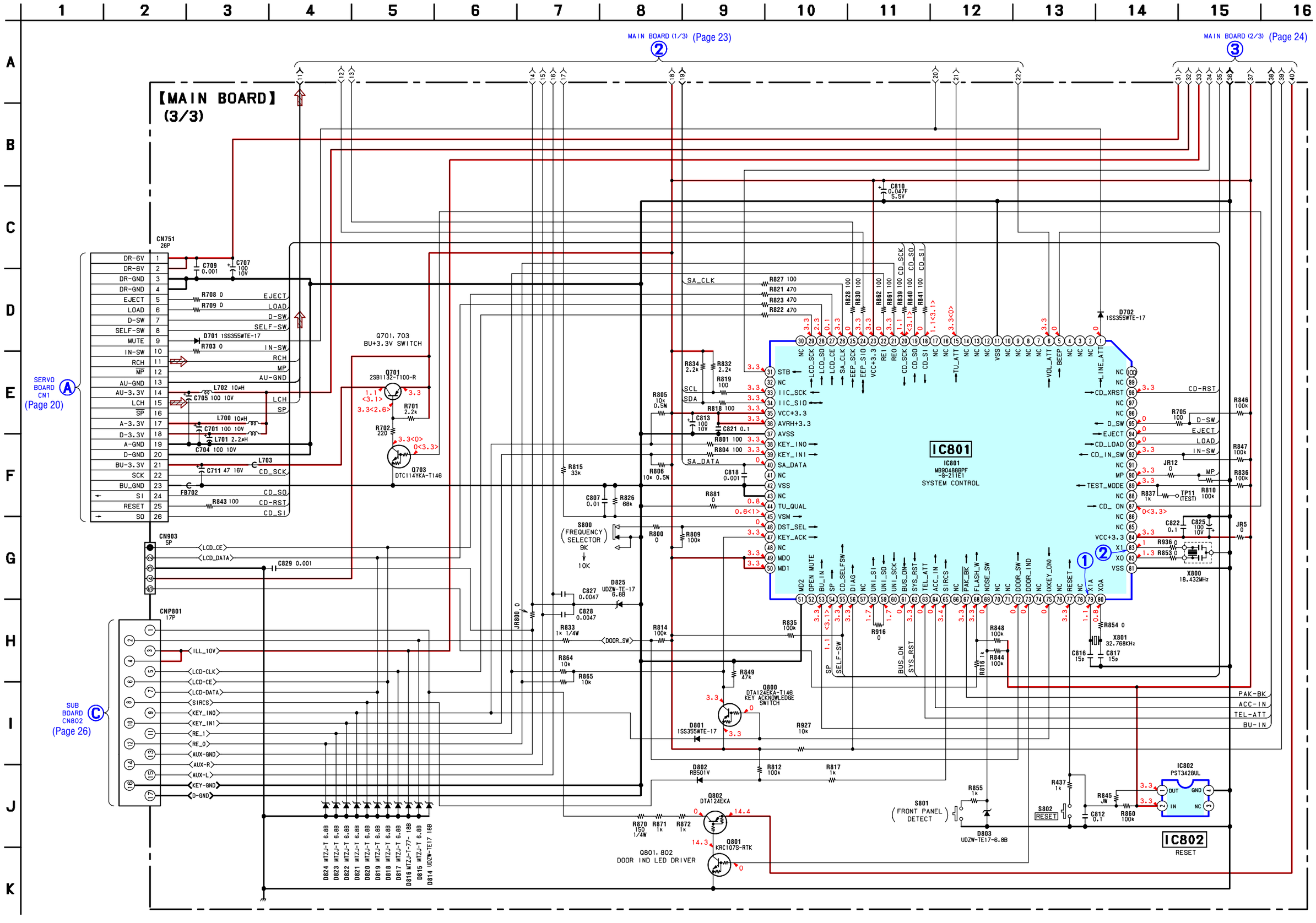


3-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/3) —



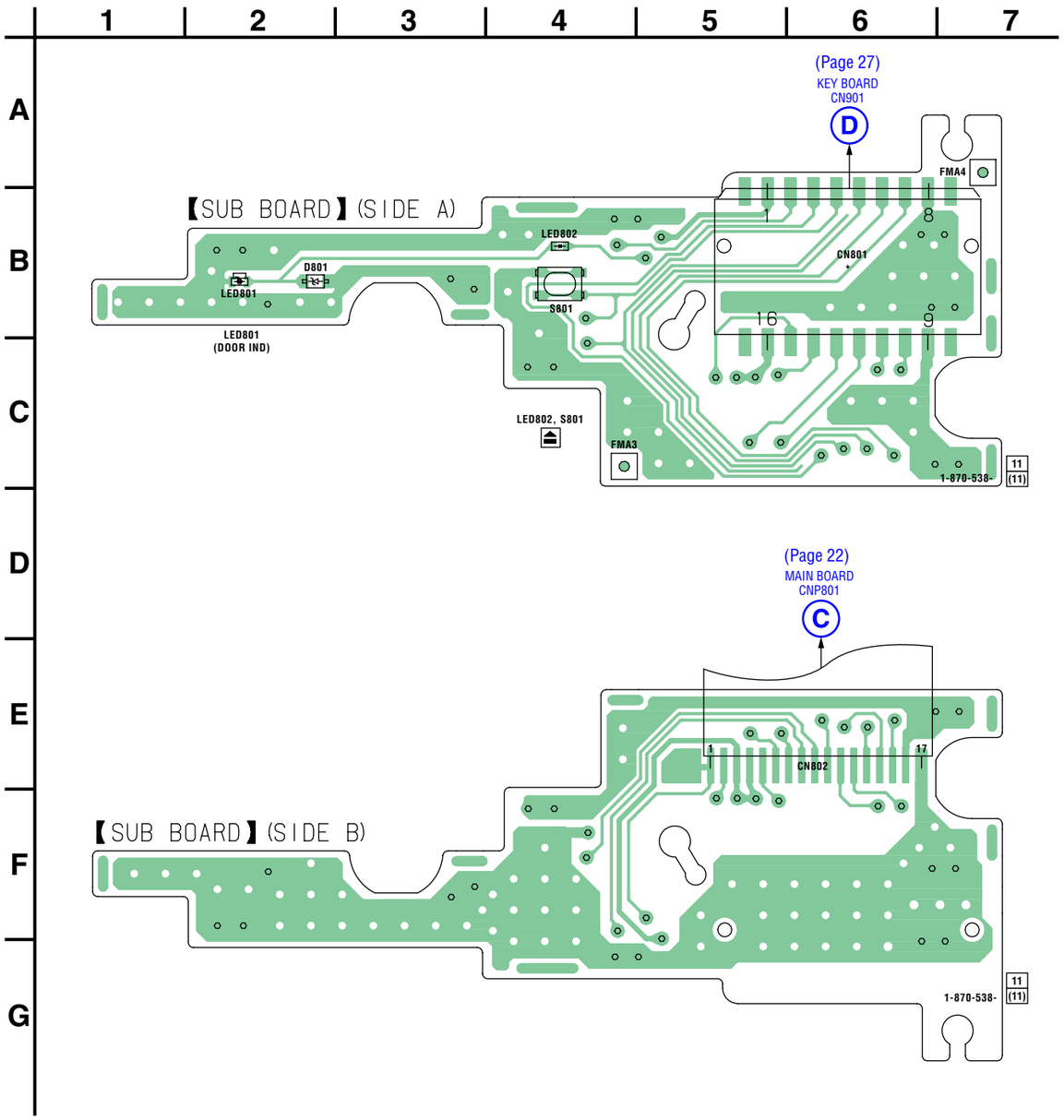
3-11. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —

- Refer to page 18 for Waveforms.
- Refer to page 34 for IC Pin Descriptions of IC801.

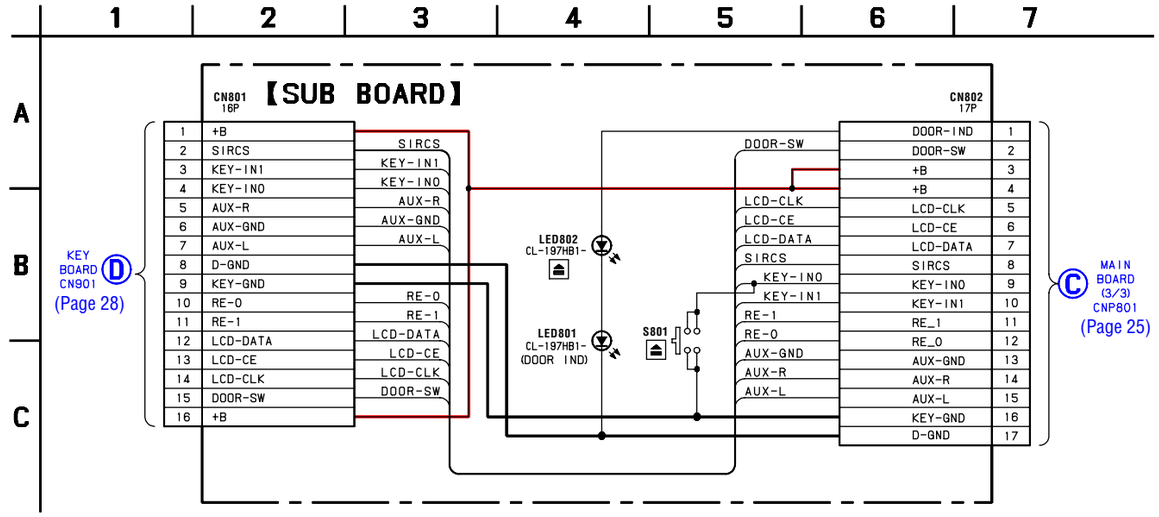


3-12. PRINTED WIRING BOARD — SUB SECTION —

- Refer to page 17 for Circuit Boards Location. : Uses unleaded solder.

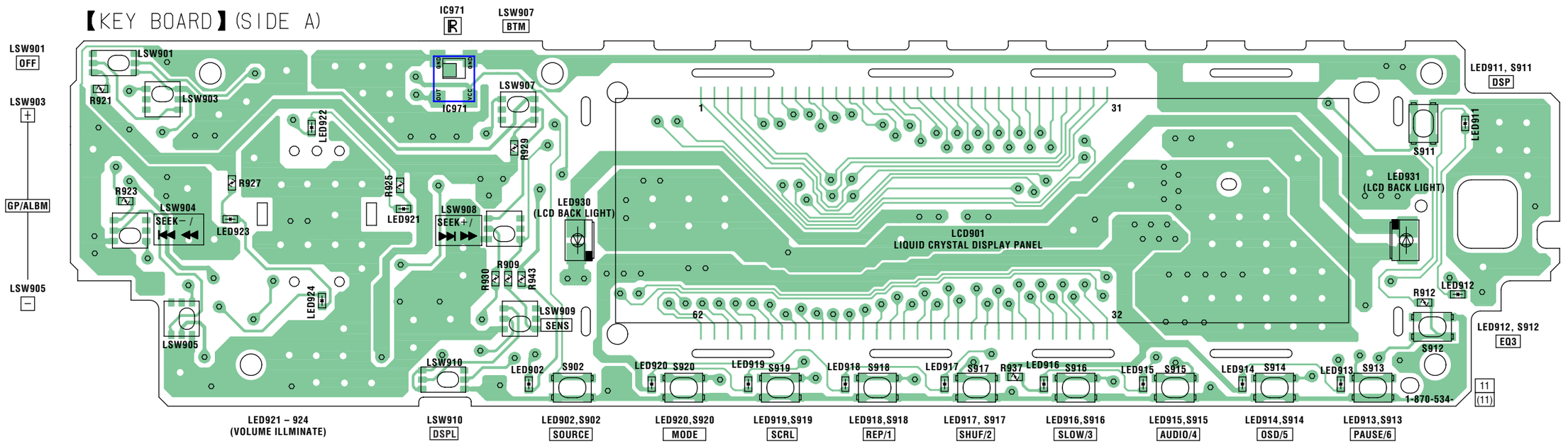


3-13. SCHEMATIC DIAGRAM — SUB SECTION —

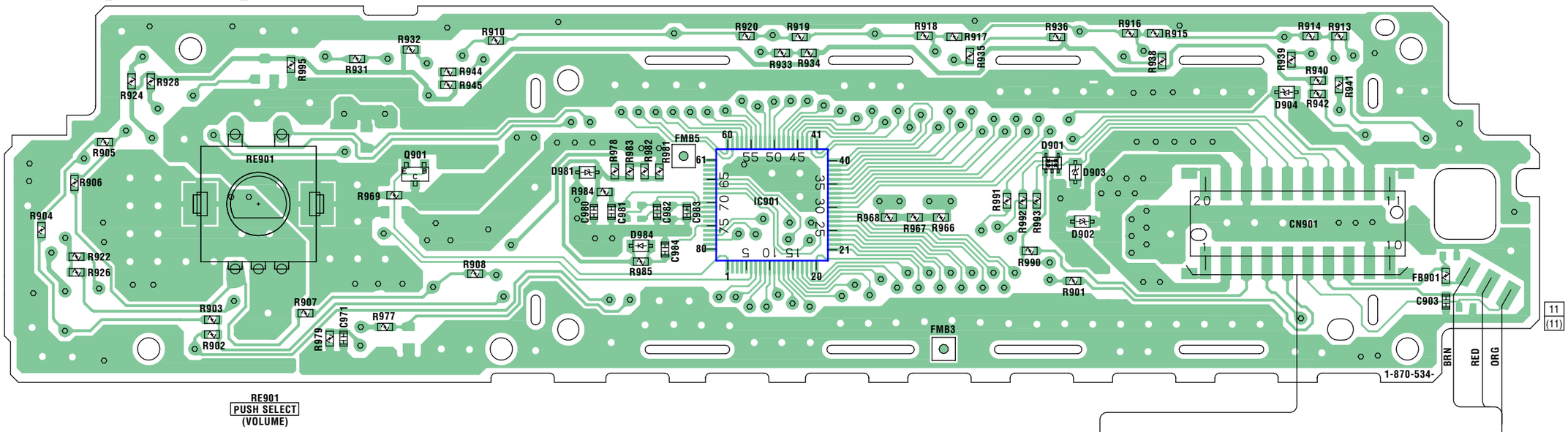


3-14. PRINTED WIRING BOARD — KEY SECTION — • Refer to page 17 for Circuit Boards Location. : Uses unleaded solder.

【KEY BOARD】(SIDE A)



【KEY BOARD】(SIDE B)



D SUB BOARD CN801 (Page 26)

【AUX JACK BOARD】

J901 AUX

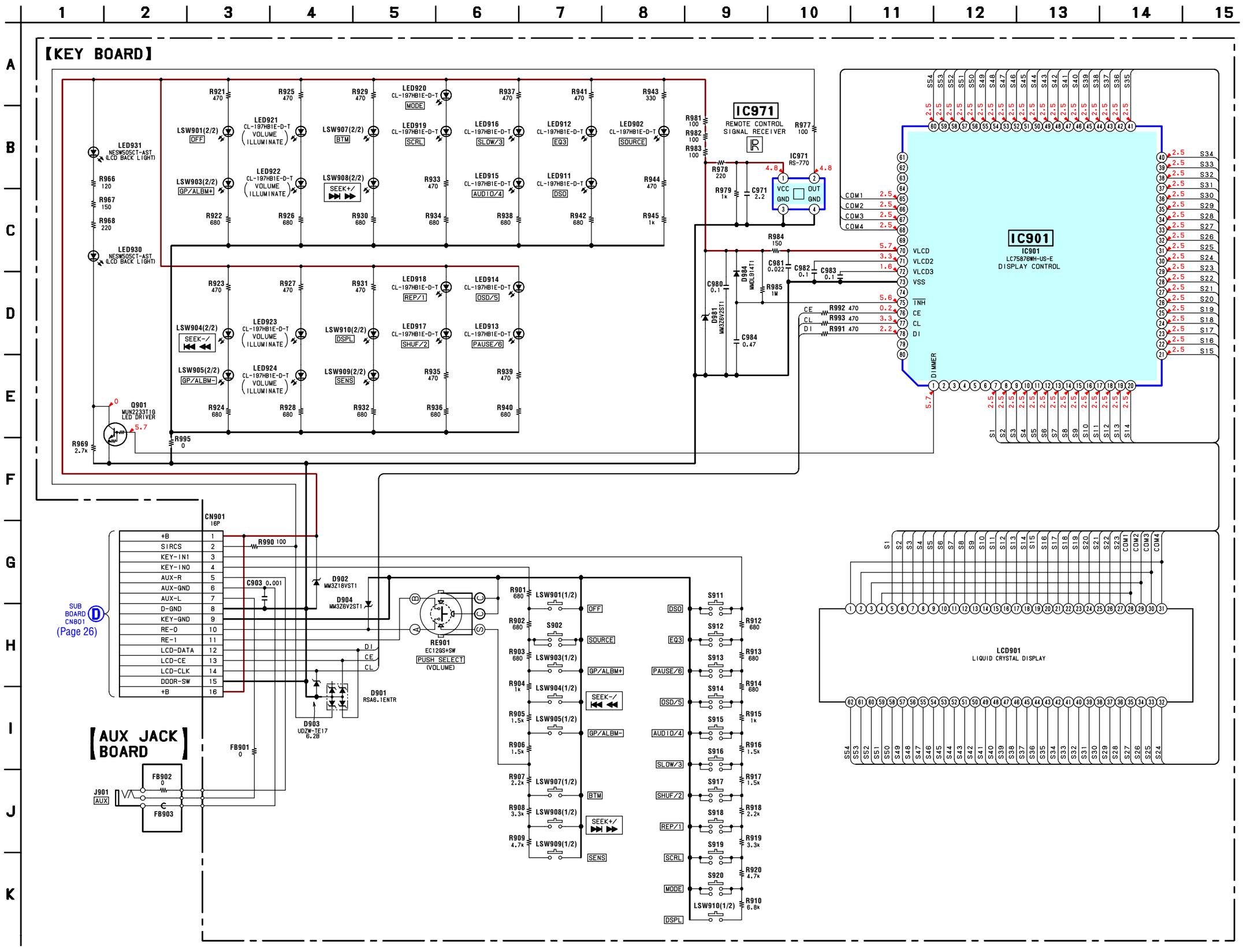
ORG RED BRN

11 (11)

• **Semiconductor Location**

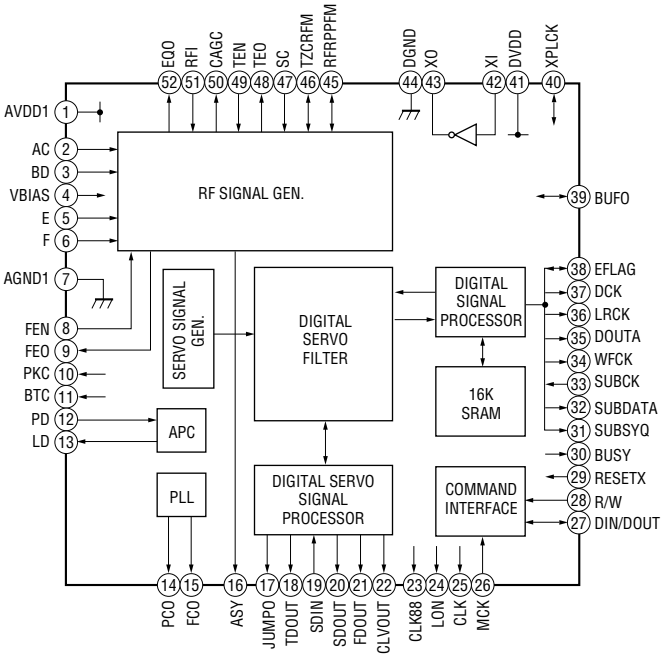
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D901	G-10	IC971	B-5	LED916	D-10	LED924	D-3
D902	G-10			LED917	D-9	LED930	C-6
D903	G-10	LED902	D-5	LED918	D-8	LED931	C-13
D904	F-12	LED911	B-13	LED919	D-7		
D981	G-6	LED912	C-13	LED920	D-6	Q901	G-5
D984	G-7	LED913	D-12	LED921	C-4		
		LED914	D-11	LED922	B-3		
IC901	G-8	LED915	D-10	LED923	C-3		

3-15. SCHEMATIC DIAGRAM — KEY SECTION —

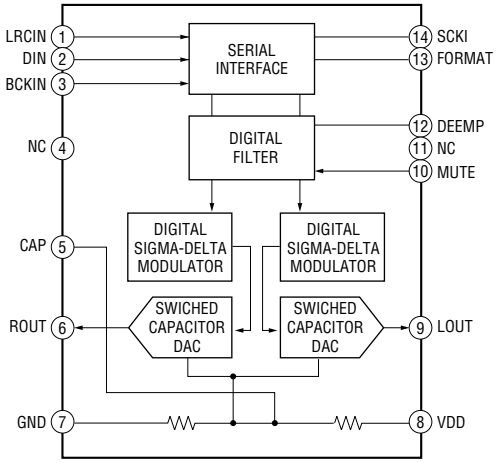


• IC BLOCK DIAGRAMS

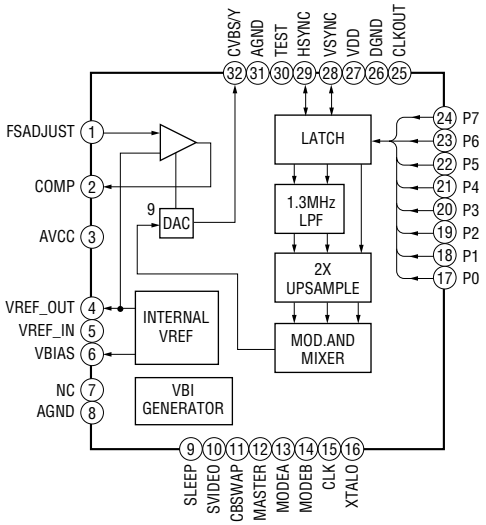
IC500 BU9536KS2 (SERVO Board (1/2))



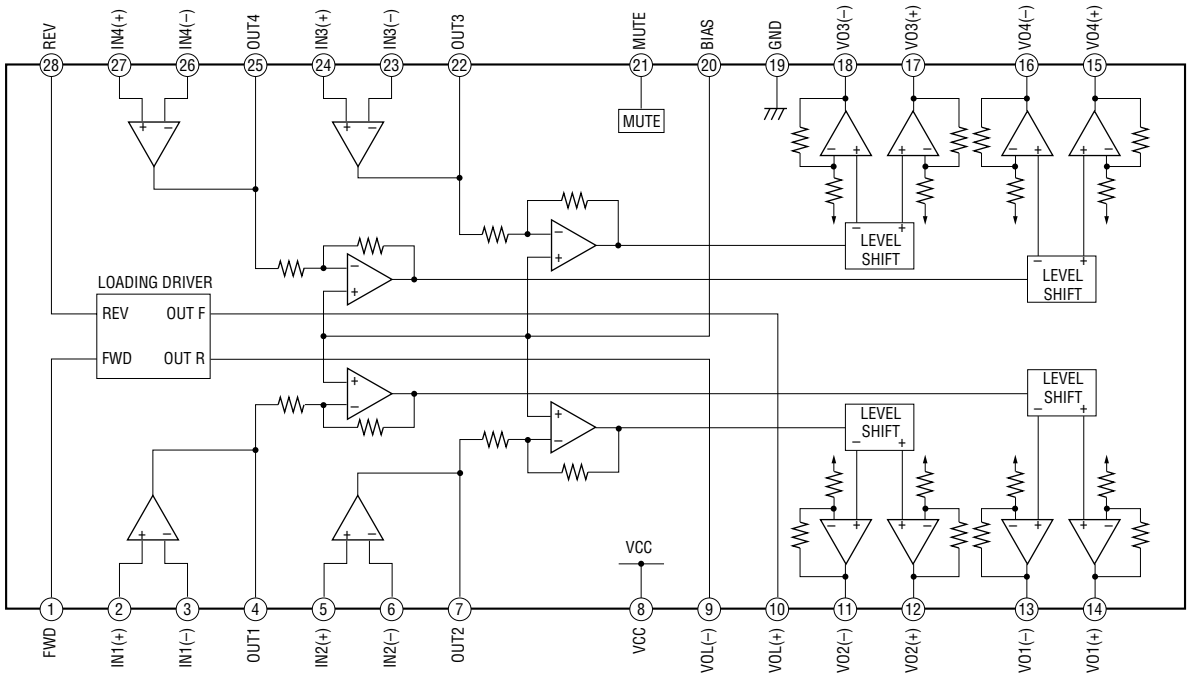
IC700 WM8726GED/R (SERVO Board (1/2))



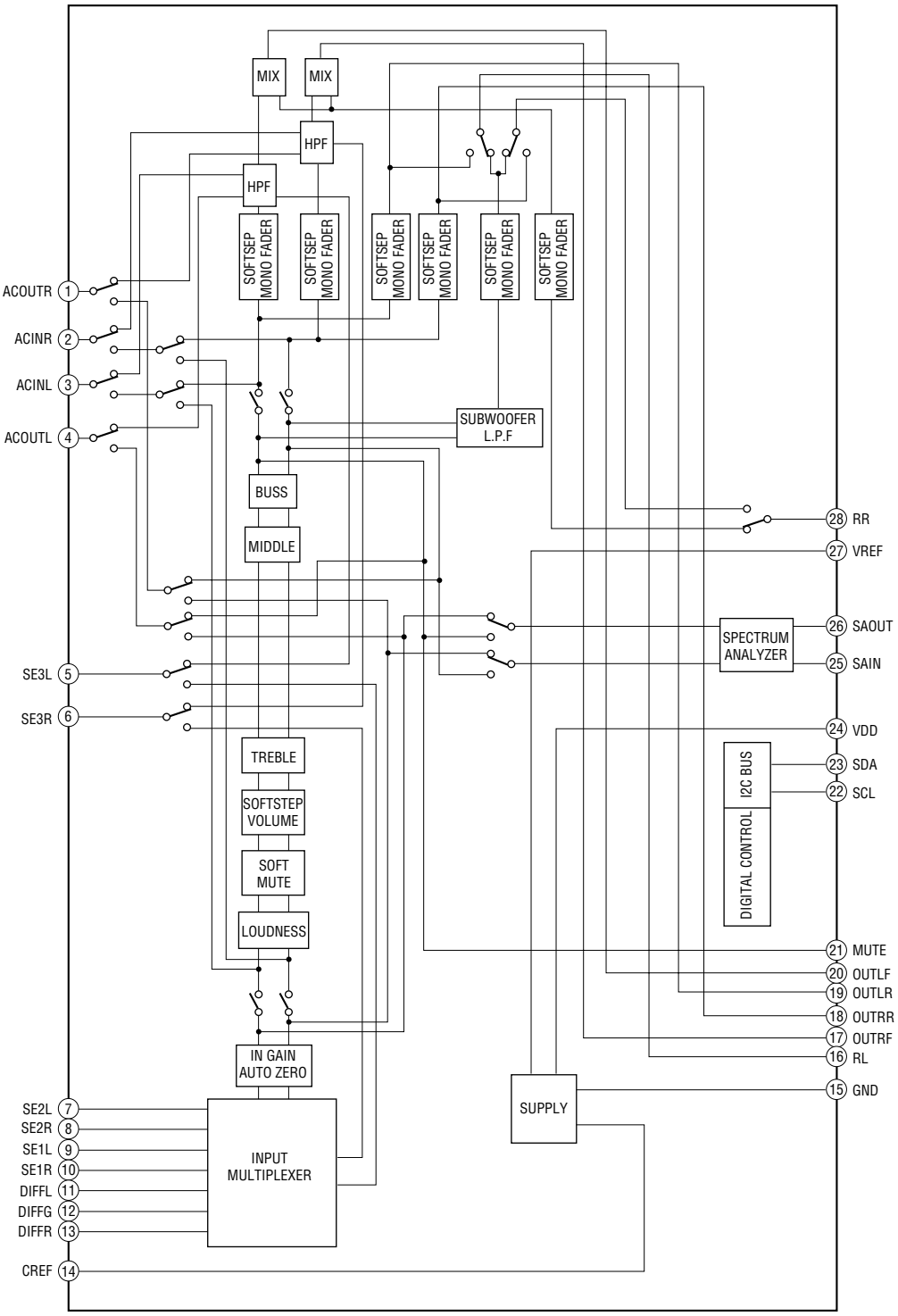
IC400 SPCA717A-HL211 (SERVO Board (2/2))



IC600 BA5966FP-FE2 (SERVO Board (1/2))



IC401 TDA7419TR (MAIN Board (1/3))



• IC PIN DESCRIPTIONS

• IC500 BU9536KS2 (RF AMP, DIGITAL SERVO) (SERVO BOARD (1/2))

Pin No.	Pin Name	I/O	Pin Description
1	AVDD1	—	Analog power supply (+3.3 V)
2	AC	I	A+C voltage signal input from optical pick-up block
3	BD	I	B+D voltage signal input from optical pick-up block
4	VBIAS	O	Bias level (VDD/2) signal output
5	E	I	E voltage signal input from optical pick-up block
6	F	I	F voltage signal input from optical pick-up block
7	AGND1	—	Analog ground
8	FEN	I	Focus error amplifier feedback signal input
9	FEO	O	Focus error signal output
10	PKC	O	RF signal peak detection capacitance connected pin
11	BTC	O	RF signal bottom detection capacitance connected pin
12	PD	I	APC photo detector signal input
13	LD	O	APC laser drive signal output
14	PCO	O	PLL PCO signal output
15	FCO	O	PLL FCO-DAC signal output
16	ASY	I	Asymmetry revice and comparator slice capacitor install pin
17	JUMPO	O	Tracking jump pulse signal output
18	TDOUT	O	Tracking drive signal output
19	SDIN	I	Sled signal input
20	SDOUT	O	Sled drive signal output
21	FDOUT	O	Focus drive signal output
22	CLVOUT	O	CLV drive signal output
23	CLK88	—	Not used. (Open)
24	LON	O	Laser on control signal output
25	CLK	—	Not used. (Open)
26	MCK	I	Transfer clock signal input for sub Q and command data
27	DIN/DOUT	I/O	Command data signal input/status, sub-Q signal output
28	R/W	I	Read/write signal input for command data
29	RESETX	I	System reset signal input “L”: reset
30	BUSY	O	Busy signal output
31	SUBSYQ	O	Sub cord synchronizing signal output
32	SUBDATA	O	Sub cord data signal output
33	SUBCK	I	Sub cord bit clock signal input Not used in this set. (Fixed at “L”.)
34	WFCK	O	Disc frame synchronizing signal output
35	DOUTA	O	Audio serial data signal output
36	LRCK	O	Audio LR signal output
37	DCK	O	Audio serial bit clock signal output
38	EFLAG	I/O	Error flag signal input/output Not used in this set.
39	BUFO	—	Not used. (Open)
40	XPLCK	—	Not used. (Open)
41	DVDD	—	Digital power supply (+3.3 V)
42	XI	I	Main clock input (16.934 MHz)
43	XO	O	Main clock output (16.934 MHz)
44	DGND	—	Digital ground
45	RFRPPFM	O	RFRP capacitor install pin or RF test monitor signal output
46	TZCRFM	O	TZC capacitor install pin or RF monitor signal output
47	SC	I	Scratch depth adjustment resistor connected pin
48	TEO	O	Tracking error signal output

Pin No.	Pin Name	I/O	Pin Description
49	TEN	I	Tracking error amplifier feedback signal input
50	CAGC	I	RFAGC capacitor install pin
51	RFI	I	RF signal input
52	EQO	O	RF equalizer signal output

• IC400 SPCA717A-HL211 (D/A CONVERTER) (SERVO BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	FSADJUST	—	Full-Scale adjust control pin The Full-Scale current of D/A converters can be adjusted by connecting a resistor (RESET) between this pin and ground.
2	COMP	—	Compensation pin A0.1 μF ceramic capacitor must be used to bypass this pin to VAA. The lead length must be kept as short as possible to avoid noise.
3	AVCC	—	Analog power supply (+3.3 V)
4	VREF_OUT	O	Voltage reference signal output It generates typical 1.2 V voltage reference and may be used to drive pin ⑤ (VREF_IN) directly.
5	VREF_IN	I	Voltage reference signal input The pin may be connected directory to pin ④ (VREF_OUT).
6	VBIAS	—	DAC bias voltage Potential normally 0.7 V less than pin ② (COMP).
7	NC	—	Not used. (Open)
8	AGND	—	Analog ground
9	SLEEP	I	Power save mode A logic high on this pin puts the chip into power-down mode. This pin is equal to reset pin. An external logic high pulse should input to the pin when power on.
10	SVIDEO	I	Video signal selection pin A logic high selects Y output. A logic low selects composite video output. Not used in this set. (Fixed at "L".)
11	CBSWAP	I	Cr and Cb pixel sequence configuration pin A logic high swap the Cr and Cb sequence. Not used in this set. (Fixed at "L".)
12	MASTER	I	Master/Slave mode selection A logical high for master mode operation. A logical 0 for slave mode operation. Not used in this set. (Fixed at "H")
13	MODEA	I	Mode configuration pin Not used in this set. (Fixed at "L".)
14	MODEB	I	Mode configuration pin
15	CLK	I	27 MHz clock input
16	XTALO	—	Not used. (Open)
17 to 24	P0 to P7	I	YCrCb pixel data signal inputs
25	CLKOUT	O	Pixel clock signal output Not used in this set. (Open)
26	DGND	—	Digital ground
27	VDD	—	Digital power supply (+3.3 V)
28	VSYNC	I/O	Vertical sync input/output
29	HSYNC	I/O	Horizontal sync input/output
30	TEST	I	Test pin Not used in this set. (Fixed at "L".)
31	AGND	—	Analog ground
32	CVBS/Y	O	Composite/Luminance output. This is a high-impedance current source output. The output format can be selected by the PAL pin.

• IC801 MB90488BPF-G-211E1 (SYSTEM CONTROL) (MAIN BOARD (3/3))

Pin No.	Pin Name	I/O	Pin Description
1	LINE_ATT	O	Audio mute control signal output
2 to 4	NC	—	Not used. (Open)
5	BEEP	O	Beep signal output
6	VOL_ ATT	O	Electrical volume ATT control signal output
7 to 10	NC	—	Not used. (Open)
11	VSS	—	Ground
12 to 14	NC	—	Not used. (Open)
15	TU_ATT	O	Tuner mute control signal output
16, 17	NC	—	Not used. (Open)
18	CD_SI	I	CD servo serial data signal input
19	CD_SO	O	CD servo serial data signal output
20	CD_SCK	O	CD servo serial clock signal output
21	RE 0	I	Rotary encoder signal input 0
22	RE 1	I	Rotary encoder signal input 1
23	VCC+3.3	—	Power supply (+3.3 V)
24	EEP_SIO	I/O	Serial data signal input/output for EEPROM communication
25	EEP_SCK	O	Serial clock signal output for EEPROM communication
26	SA_SCK	O	Spectrum analyzer clock output
27	LCD_CE	O	Chip enable signal output to LCD driver IC
28	LCD_SO	O	Serial data signal output to LCD driver IC
29	LCD_SCK	O	Serial clock signal output to LCD driver IC
30	NC	—	Not used. (Open)
31	STB	O	Standby signal output to power amp IC
32	NC	—	Not used. (Open)
33	IIC_SCK	O	IIC bus serial clock signal output
34	IIC_SIO	I/O	IIC bus serial data signal input/output
35	VCC+3.3	—	Power supply (+3.3 V) (for A/D converter)
36	AVRH+3.3	—	External reference power supply (+3.3 V) (for A/D converter)
37	AVSS	—	Ground
38, 39	KEY_IN0, 1	I	Key signal input
40	SA_DATA	I	Spectrum analyzer data signal input
41	NC	—	Not used. (Open)
42	VSS	—	Ground
43	NC	—	Not used. (Fixed at “L”.)
44	TU_QUAL	—	Not used. (Fixed at “L”.)
45	VSM	I	S meter voltage detect signal input
46	DST_SEL	I	AM tuner frequency step (9K/10K) select signal input
47	KEY_ACK	I	Key acknowledge detect signal input
48	NC	—	Not used. (Open)
49, 50	MD0, 1	I	Input for operation mode designation (Fixed at “H”.)
51	MD2	I	Input for operation mode designation (Fixed at “L”.)
52	NC	—	Not used. (Open)
53	BU_IN	I	Back up power supply detect signal input
54	SP	O	SP mode select signal output
55	CD_SELFSW	I	CD mechanism self load position detect switch signal input
56	DIAG	I	Condition input from power amp IC
57	NC	—	Not used. (Open)
58	UNI_SI	I	Serial data signal input
59	UNI_SO	O	Serial data signal output

Pin No.	Pin Name	I/O	Pin Description
60	UNI_SCK	—	Not used. (Open)
61	BUS_ON	O	Bus on signal output
62	SYS_RST	O	System reset signal output
63	TEL_ATT	O	TEL ATT signal output
64	ACC_IN	I	Accessory power supply detect signal input
65	SIRCS	I	Remote control signal (infrared rays) input
66	NC	—	Not used. (Open)
67	$\overline{\text{PAK\_BK}}$	I	Parking brake signal input
68	FLASH_W	I	Memory mode changeover signal input Normally “H” input (single chip mode) “L” after reset: Flash write mode
69	NOSE_SW	I	Front panel detect switch signal input
70, 71	NC	—	Not used. (Open)
72	DOOR SW	I	Front panel open/close detect signal input “L” input: Panel close, “H” input: Panel open
73	DOOR_IND	O	Door indicator control signal output
74	NC	—	Not used. (Open)
75	XKEY_ON	O	Key power supply control signal output
76	NC	—	Not used. (Open)
77	RESET	I	Reset signal input
78	NC	—	Not used. (Open)
79	X1A	I	Sub clock input (32.768 kHz)
80	X0A	O	Sub clock output (32.768 kHz)
81	VSS	—	Ground
82	X0	I	Main clock input (3.68 MHz)
83	X1	O	Main clock output (3.68 MHz)
84	VCC+3.3	—	Power supply (+3.3 V)
85, 86	NC	—	Not used. (Open)
87	CD_ON	O	CD power on/off control signal output
88	NC	—	Not used. (Open)
89	TEST_MODE	I	Test mode setting input
90	MP	O	MP mode select signal output
91	NC	—	Not used. (Open)
92	CD_IN_SW	I	CD mechanism IN-SW detect signal input
93	CD_LOAD	O	CD mechanism loading motor control signal output
94	EJECT	O	CD mechanism eject motor control signal output
95	D_SW	I	CD mechanism DSW detect signal input
96	NC	—	Not used. (Open)
97	NC	—	Not used. (Open)
98	CD_XRST	O	CD servo reset signal output
99	NC	—	Not used. (Open)
100	NC	—	Not used. (Open)

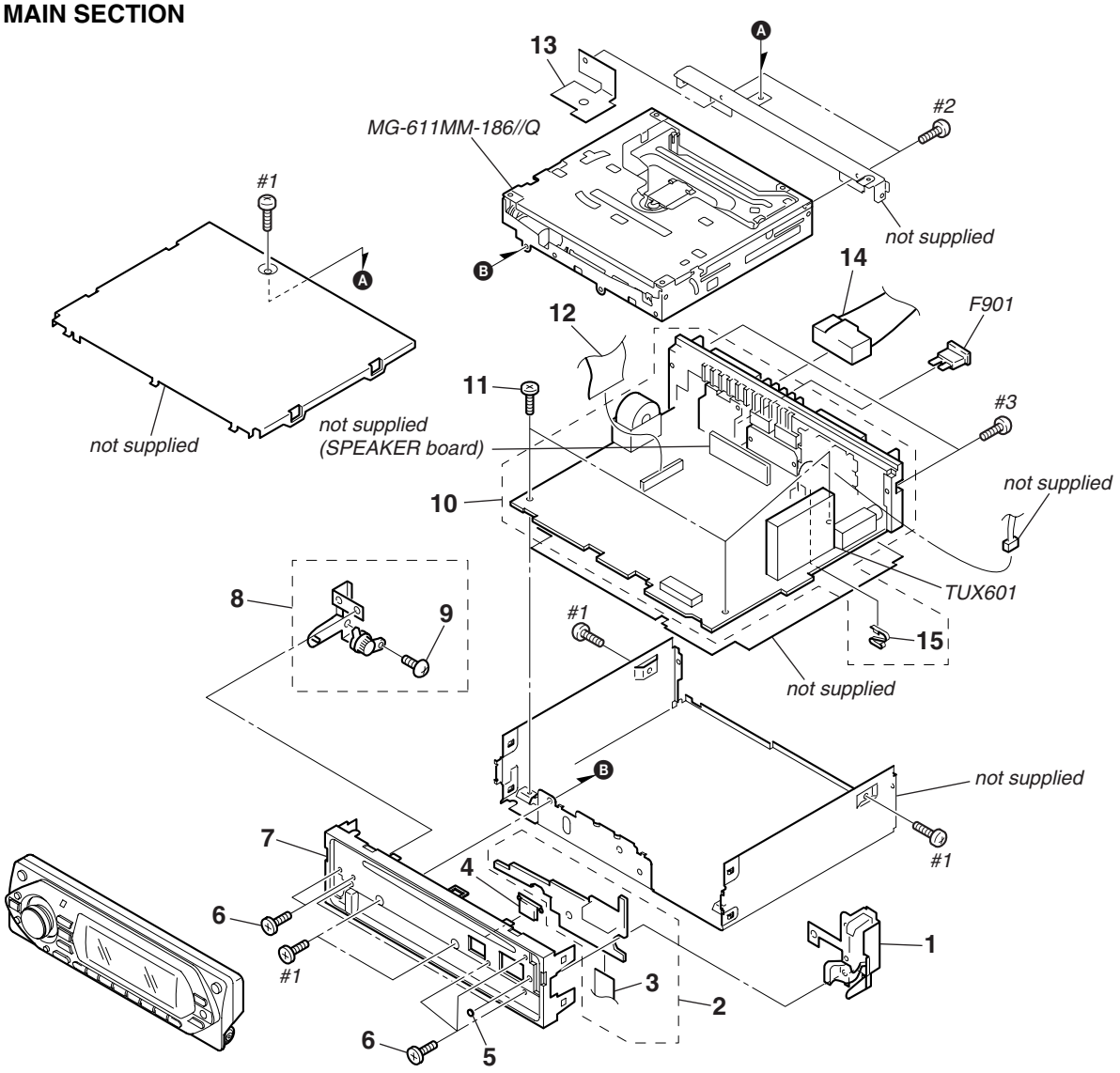
SECTION 4
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories are given in the last of this parts list.
- Abbreviation
  CH : Chinese model

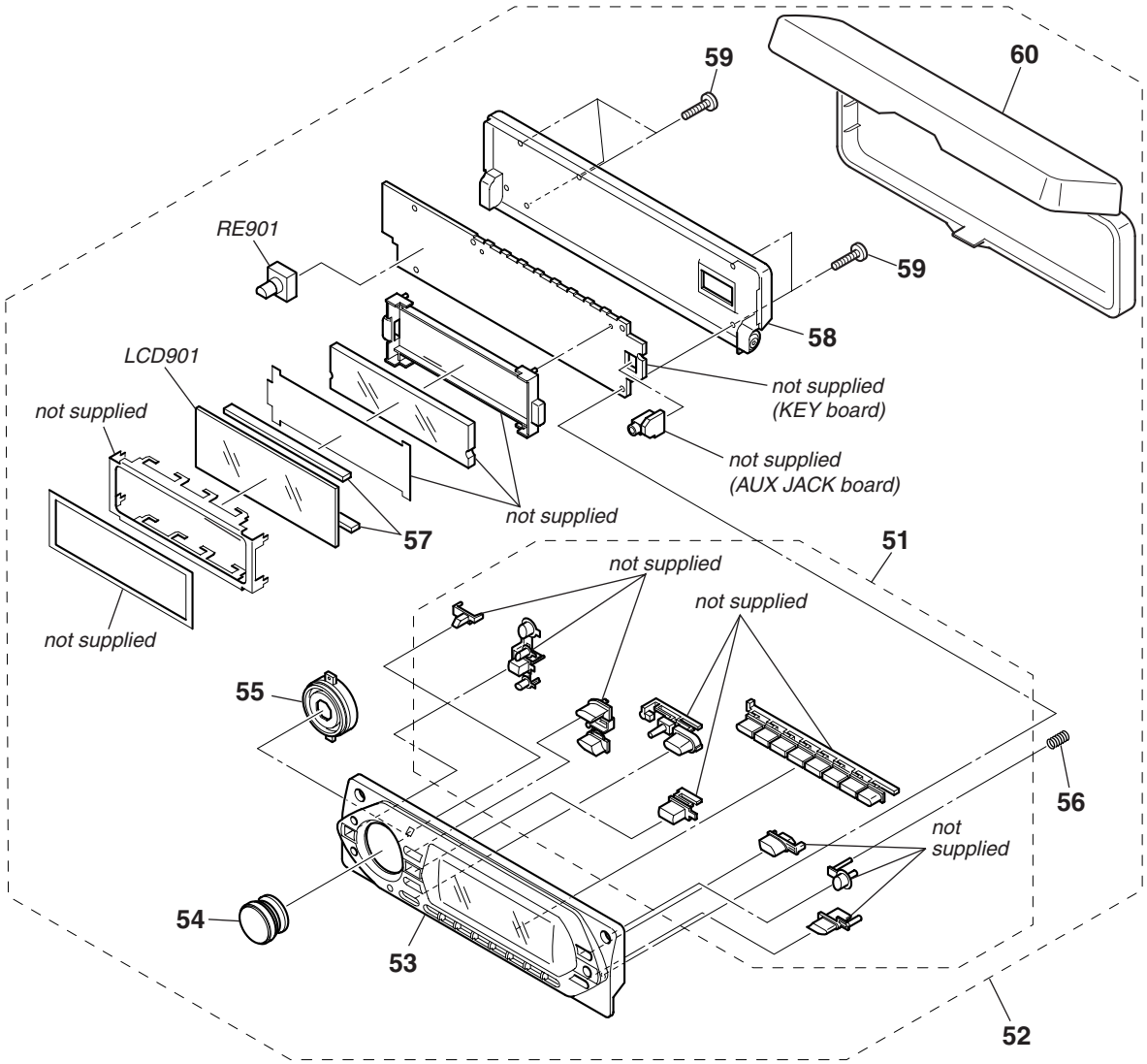
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

4-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark
1	X-3384-259-1	LOCK ASSY	
2	A-1188-748-A	SUB BOARD, COMPLETE	
3	1-831-308-11	CABLE, FLEXIBLE FLAT (17 CORE)	
4	3-246-441-01	BUTTON (EJECT)	
5	3-260-247-01	CUSHION (SUB PANEL)	
6	3-042-244-01	SCREW (T)	
7	X-2067-743-1	PANEL ASSY, SUB	
8	X-3384-203-1	GEAR ASSY	
9	3-713-786-51	SCREW +P 2X3	
10	A-1188-743-A	MAIN BOARD, COMPLETE (including SPEAKER BOARD)	
11	2-050-124-01	SCREW +BTT 2.6X5	
12	1-829-847-12	CABLE, FLAT (FFC) 26P	
13	2-596-791-01	SHEET, SHIELD	
14	1-792-194-41	CORD (WITH CONNECTOR) (POWER)	
15	1-694-592-31	TERMINAL	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
TUX601	A-3220-960-B	TUNER UNIT (TUX-032)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	

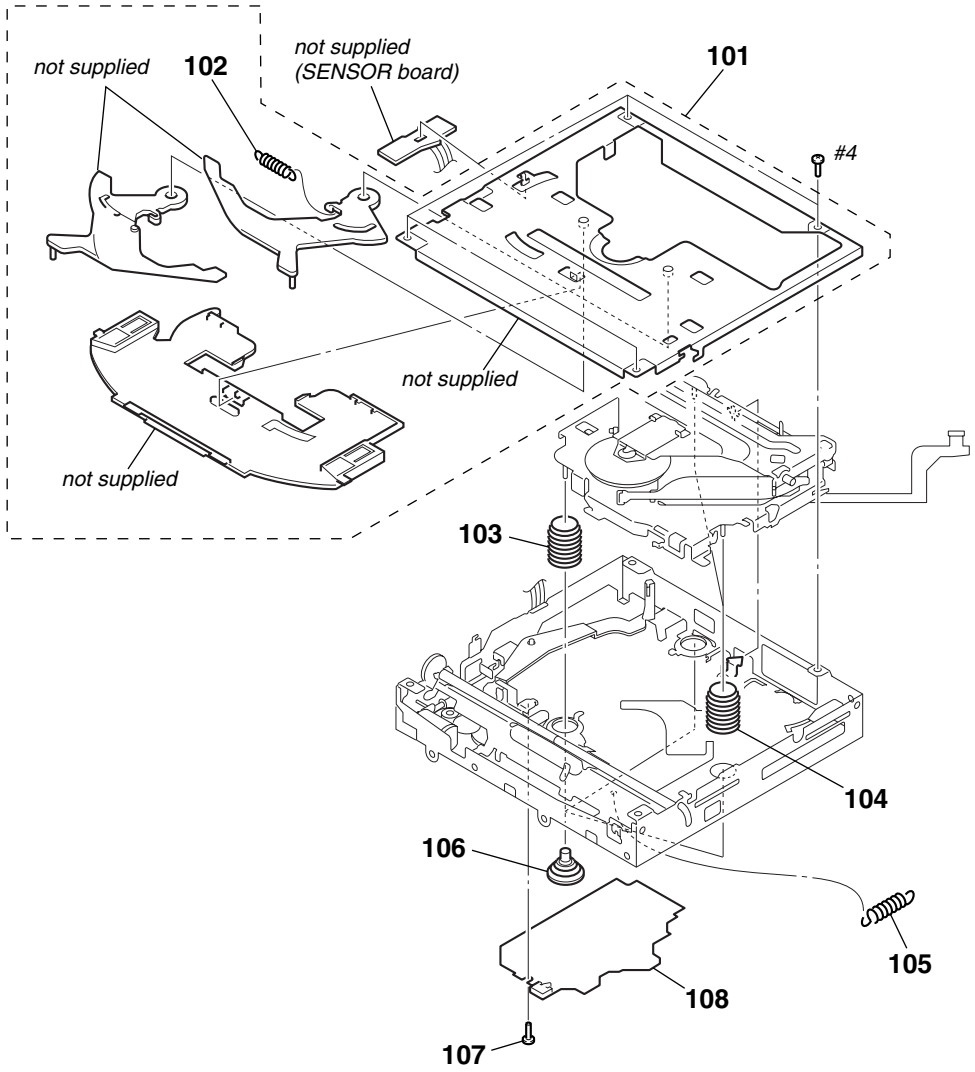
4-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-2102-913-1	BUTTON ASSY(S)	
52	A-1188-752-A	PANEL OVERALL ASSY, FRONT	
53	X-2109-878-1	PANEL (SV) ASSY, FRONT	
54	X-2103-060-1	KNOB ASSY (S)	
55	2-630-985-01	GUIDE, LIGHT (VOLUME)	
56	3-264-712-01	SPRING (OPEN)	

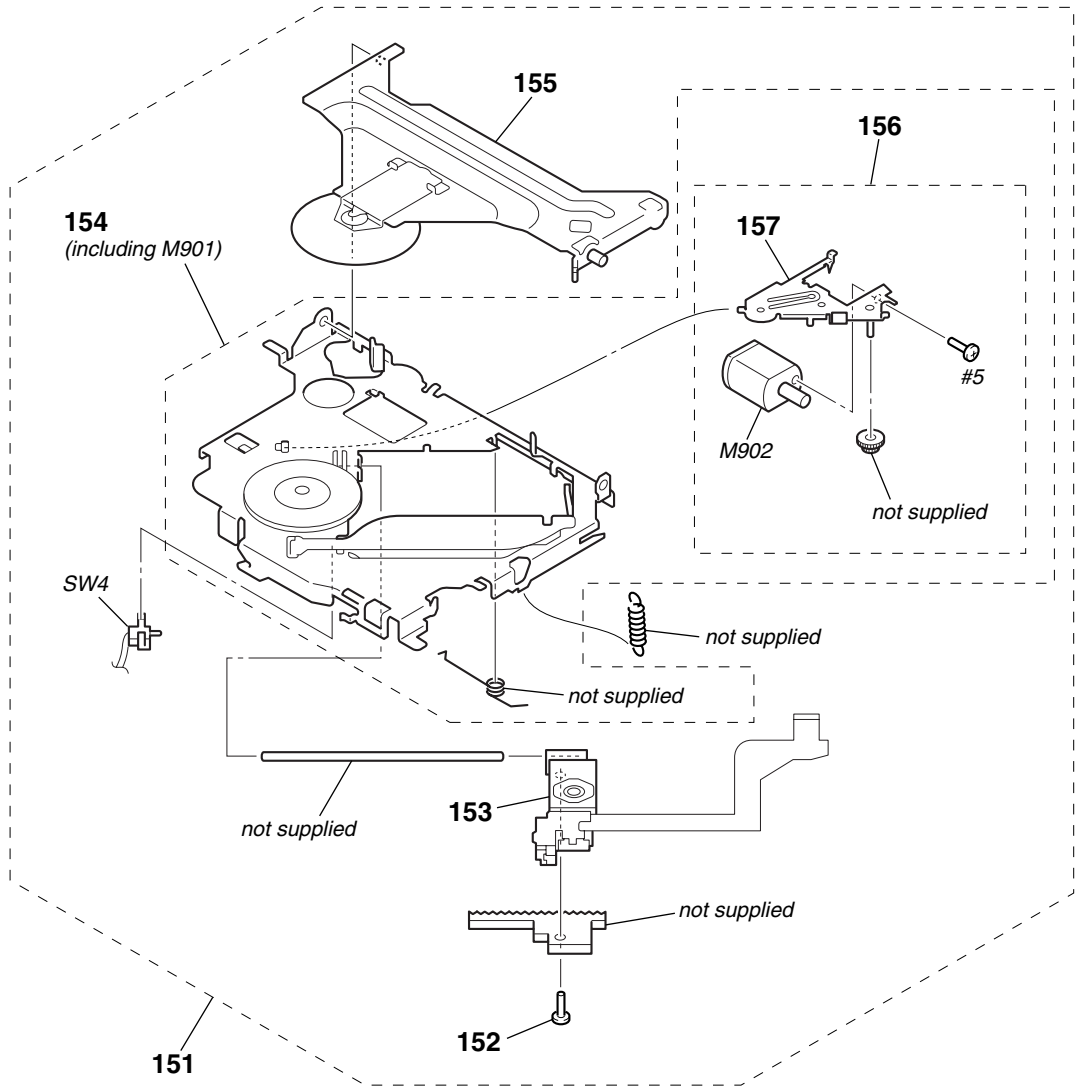
Ref. No.	Part No.	Description	Remark
57	1-780-330-11	CONDUCTIVE BOARD, CONNECTION	
58	X-2067-745-1	PANEL ASSY, FRONT BACK	
59	3-250-543-21	SCREW (+B P-TITE M2)	
60	X-2055-358-1	CASE ASSY (for FRONT PANEL)	
LCD901	1-805-940-11	DISPLAY PANEL, LIQUID CRYSTAL	
RE901	1-479-481-13	ENCODER, ROTARY (PUSH SELECT (VOLUME))	

4-3. CD MECHANISM SECTION (1) (MG-611MM-186//Q)



Ref. No.	Part No.	Description	Remark
101	A-3372-444-C	CHASSIS (T) SUB ASSY	
102	3-253-729-11	SPRING (LR), TENSION COIL	
103	3-257-892-12	SPRING (DAMPER), COIL (GREEN)	
104	3-257-892-01	SPRING (DAMPER), COIL (NATURAL)	
105	2-345-767-11	SPRING (KF60), TENSION	
106	3-259-033-01	DAMPER (S)	
107	2-587-505-01	SCREW	
108	A-1107-620-A	SERVO BOARD, COMPLETE	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

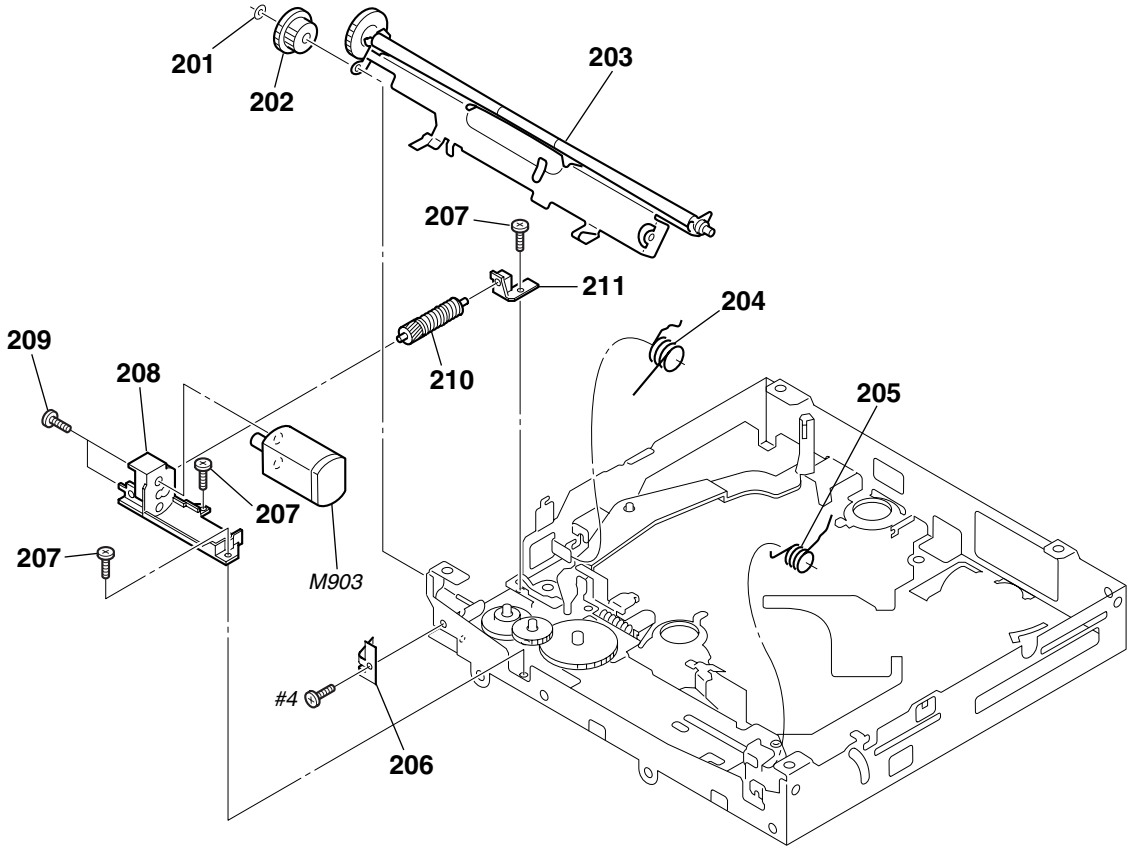
4-4. CD MECHANISM SECTION (2) (MG-611MM-186//Q)



Ref. No.	Part No.	Description	Remark
151	A-1075-644-A	CHASSIS (OP) COMPLETE ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-645-A	CHASSIS (OP) SUB ASSY (including M901)	
155	A-3372-449-A	ARM SUB ASSY, CHUCKING	

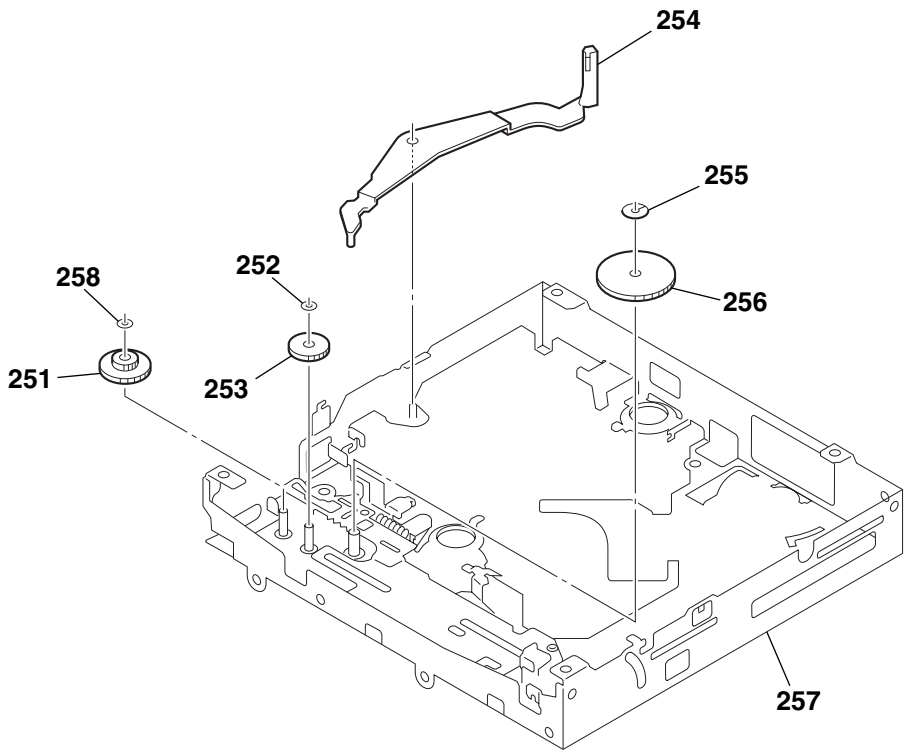
Ref. No.	Part No.	Description	Remark
156	A-3372-446-A	LEVER (SL) SUB ASSY	
157	X-3384-090-3	LEVER (SL) ASSY	
M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
#5	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

4-5. CD MECHANISM SECTION (3) (MG-611MM-186//Q)



Ref. No.	Part No.	Description	Remark
201	3-348-993-01	WASHER	
202	2-186-699-01	GEAR (RA1)	
203	A-1075-641-C	ARM ASSY, ROLLER	
204	2-635-295-11	SPRING (RAL-B)	
205	2-635-296-11	SPRING (RAR-B)	
206	3-259-469-12	SPRING (LE), LEAF	
207	2-134-636-21	SCREW (M1.7X2.5)	
208	2-186-696-02	BRACKET (LEM-N)	
209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
210	A-1083-636-A	GEAR (LE) ASSY	
211	2-186-697-01	BEARING (LEB-N)	
M903	A-1166-300-A	MOTOR ASSY (B), LE (LOADING)	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

4-6. CD MECHANISM SECTION (4) (MG-611MM-186//Q)



Ref. No.	Part No.	Description	Remark
251	2-186-700-01	GEAR (CHK1)	
252	3-344-223-01	WASHER	
253	3-259-470-12	GEAR (LE1)	
254	3-253-755-41	LEVER (D)	
255	2-630-962-01	WASHER (SLIT)	
256	2-590-545-31	GEAR (LE2-M)	
257	A-1075-640-B	CHASSIS (M) BLOCK ASSY	
258	3-348-993-01	WASHER	

AUX JACK KEY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH
- Abbreviation
  CH : Chinese model

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
		AUX JACK BOARD			
		**********			
		< FERRITE BEAD >			
FB902	1-216-864-11	SHORT CHIP	0		
FB903	1-414-595-11	INDUCTOR, FERRITE BEAD			
		< JACK >			
J901	1-819-732-11	JACK (DIA. 3.5) (AUX)			
**********					
		KEY BOARD			
		**********			
		< CAPACITOR >			
C903	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C971	1-135-834-11	CERAMIC CHIP	2.2uF		6.3V
C980	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C981	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C982	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C983	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C984	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
		< CONNECTOR >			
CN901	1-819-783-11	PLUG, CONNECTOR 16P			
		< DIODE >			
D901	6-500-886-01	DIODE RSA6.1ENTR			
D902	8-719-056-93	DIODE UDZ-TE-17-18B			
D903	6-501-169-01	DIODE UDZW-TE17-6.2B			
D904	8-719-056-82	DIODE UDZ-TE-17-6.2B			
D981	8-719-056-82	DIODE UDZ-TE-17-6.2B			
D984	8-719-081-97	DIODE MMDL914T1			
		< JUMPER RESISTOR >			
FB901	1-216-864-11	SHORT CHIP	0		
		< IC >			
IC901	6-707-064-01	IC LC75876WH-US-E			
IC971	6-600-163-01	IC RS-770 (IR)			
		< DIODE >			
LED902	6-501-547-01	LED CL-197HB1E-D-T (SOURCE)			
LED911	6-501-547-01	LED CL-197HB1E-D-T (DSO)			
LED912	6-501-547-01	LED CL-197HB1E-D-T (EQ3)			
LED913	6-501-547-01	LED CL-197HB1E-D-T (PAUSE/6)			
LED914	6-501-547-01	LED CL-197HB1E-D-T (OSD/5)			
LED915	6-501-547-01	LED CL-197HB1E-D-T (AUDIO/4)			
LED916	6-501-547-01	LED CL-197HB1E-D-T (SLOW/3)			
LED917	6-501-547-01	LED CL-197HB1E-D-T (SHUF/2)			
LED918	6-501-547-01	LED CL-197HB1E-D-T (REP/1)			
LED919	6-501-547-01	LED CL-197HB1E-D-T (SCRL)			
LED920	6-501-547-01	LED CL-197HB1E-D-T (MODE)			
LED921	6-501-547-01	LED CL-197HB1E-D-T (VOLUME ILLUMINATE)			
LED922	6-501-547-01	LED CL-197HB1E-D-T (VOLUME ILLUMINATE)			
LED923	6-501-547-01	LED CL-197HB1E-D-T (VOLUME ILLUMINATE)			
LED924	6-501-547-01	LED CL-197HB1E-D-T (VOLUME ILLUMINATE)			
LED930	6-501-339-01	LED NESW505CT-AST (LCD BACK LIGHT)			
LED931	6-501-339-01	LED NESW505CT-AST (LCD BACK LIGHT)			
		< SWITCH >			
LSW901	1-786-999-11	SWITCH, TACTILE (WITH LED) (OFF)			
LSW903	1-786-998-11	SWITCH, TACTILE (WITH LED) (GP/ALBM +)			
LSW904	1-786-998-11	SWITCH, TACTILE (WITH LED) (SEEK –/⏮ ◀◀)			
LSW905	1-786-998-11	SWITCH, TACTILE (WITH LED) (GP/ALBM –)			
LSW907	1-786-998-11	SWITCH, TACTILE (WITH LED) (BTM)			
LSW908	1-786-998-11	SWITCH, TACTILE (WITH LED) (SEEK +/▶▶⏭ ▶▶)			
LSW909	1-786-998-11	SWITCH, TACTILE (WITH LED) (SENS)			
LSW910	1-786-999-11	SWITCH, TACTILE (WITH LED) (DSPL)			
		< TRANSISTOR >			
Q901	6-551-244-01	TRANSISTOR MUN2233T1G			
		< RESISTOR >			
R901	1-216-819-11	METAL CHIP	680	5%	1/10W
R902	1-216-819-11	METAL CHIP	680	5%	1/10W
R903	1-216-819-11	METAL CHIP	680	5%	1/10W
R904	1-216-821-11	METAL CHIP	1K	5%	1/10W
R905	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R906	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R907	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R908	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R909	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R910	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R912	1-216-819-11	METAL CHIP	680	5%	1/10W

Ref. No.	Part No.	Description			Remark
R913	1-216-819-11	METAL CHIP	680	5%	1/10W
R914	1-216-819-11	METAL CHIP	680	5%	1/10W
R915	1-216-821-11	METAL CHIP	1K	5%	1/10W
R916	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R917	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R918	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R919	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R920	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R921	1-216-817-11	METAL CHIP	470	5%	1/10W
R922	1-216-819-11	METAL CHIP	680	5%	1/10W
R923	1-216-817-11	METAL CHIP	470	5%	1/10W
R924	1-216-819-11	METAL CHIP	680	5%	1/10W
R925	1-216-817-11	METAL CHIP	470	5%	1/10W
R926	1-216-819-11	METAL CHIP	680	5%	1/10W
R927	1-216-817-11	METAL CHIP	470	5%	1/10W
R928	1-216-819-11	METAL CHIP	680	5%	1/10W
R929	1-216-817-11	METAL CHIP	470	5%	1/10W
R930	1-216-819-11	METAL CHIP	680	5%	1/10W
R931	1-216-817-11	METAL CHIP	470	5%	1/10W
R932	1-216-819-11	METAL CHIP	680	5%	1/10W
R933	1-216-817-11	METAL CHIP	470	5%	1/10W
R934	1-216-819-11	METAL CHIP	680	5%	1/10W
R935	1-216-817-11	METAL CHIP	470	5%	1/10W
R936	1-216-819-11	METAL CHIP	680	5%	1/10W
R937	1-216-817-11	METAL CHIP	470	5%	1/10W
R938	1-216-819-11	METAL CHIP	680	5%	1/10W
R939	1-216-817-11	METAL CHIP	470	5%	1/10W
R940	1-216-819-11	METAL CHIP	680	5%	1/10W
R941	1-216-817-11	METAL CHIP	470	5%	1/10W
R942	1-216-819-11	METAL CHIP	680	5%	1/10W
R943	1-216-815-11	METAL CHIP	330	5%	1/10W
R944	1-216-817-11	METAL CHIP	470	5%	1/10W
R945	1-216-821-11	METAL CHIP	1K	5%	1/10W
R966	1-216-810-11	METAL CHIP	120	5%	1/10W
R967	1-216-811-11	METAL CHIP	150	5%	1/10W
R968	1-216-813-11	METAL CHIP	220	5%	1/10W
R969	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R977	1-216-809-11	METAL CHIP	100	5%	1/10W
R978	1-216-813-11	METAL CHIP	220	5%	1/10W
R979	1-216-821-11	METAL CHIP	1K	5%	1/10W
R981	1-216-809-11	METAL CHIP	100	5%	1/10W
R982	1-216-809-11	METAL CHIP	100	5%	1/10W
R983	1-216-809-11	METAL CHIP	100	5%	1/10W
R984	1-216-811-11	METAL CHIP	150	5%	1/10W
R985	1-216-857-11	METAL CHIP	1M	5%	1/10W
R990	1-216-809-11	METAL CHIP	100	5%	1/10W
R991	1-216-817-11	METAL CHIP	470	5%	1/10W
R992	1-216-817-11	METAL CHIP	470	5%	1/10W
R993	1-216-817-11	METAL CHIP	470	5%	1/10W
R995	1-216-864-11	SHORT CHIP	0		
		< SWITCH >			
S902	1-786-653-11	SWITCH, TACTILE (SOURCE)			
S911	1-786-653-11	SWITCH, TACTILE (DSO)			
S912	1-786-653-11	SWITCH, TACTILE (EQ3)			
S913	1-786-653-11	SWITCH, TACTILE (PAUSE/6)			
S914	1-786-653-11	SWITCH, TACTILE (OSD/5)			
S915	1-786-653-11	SWITCH, TACTILE (AUDIO/4)			
S916	1-786-653-11	SWITCH, TACTILE (SLOW/3)			
S917	1-786-653-11	SWITCH, TACTILE (SHUF/2)			
S918	1-786-653-11	SWITCH, TACTILE (REP/1)			
S919	1-786-653-11	SWITCH, TACTILE (SCRL)			
S920	1-786-653-11	SWITCH, TACTILE (MODE)			
**********					
	A-1188-743-A	MAIN BOARD, COMPLETE (including SPEAKER BOARD)			
		**********			
	1-694-592-31	TERMINAL			
	7-621-284-40	SCREW +P 2.6X10			
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT			
	7-685-793-09	SCREW +PTT 2.6X8 (S)			
	7-685-795-09	SCREW +PTT 2.6X12 (S)			
		< CAPACITOR >			
C101	1-126-964-11	ELECT	10uF	20%	50V
C106	1-126-965-11	ELECT	22uF	20%	50V
C107	1-126-964-11	ELECT	10uF	20%	50V
C109	1-104-665-11	ELECT	100uF	20%	25V
C111	1-126-964-11	ELECT	10uF	20%	50V
C113	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C406	1-136-154-00	FILM	0.012uF	5%	50V
C407	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C408	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C409	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C410	1-126-960-11	ELECT	1uF	20%	50V
C411	1-126-960-11	ELECT	1uF	20%	50V
C414	1-126-964-11	ELECT	10uF	20%	50V
C415	1-136-154-00	FILM	0.012uF	5%	50V
C416	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C417	1-126-947-11	ELECT	47uF	20%	35V
C418	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C420	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C421	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C422	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C423	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C424	1-126-964-11	ELECT	10uF	20%	50V
C425	1-126-964-11	ELECT	10uF	20%	50V
C426	1-126-964-11	ELECT	10uF	20%	50V
C428	1-126-964-11	ELECT	10uF	20%	50V
C430	1-126-947-11	ELECT	47uF	20%	35V
C433	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C434	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C435	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C436	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C437	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C438	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C440	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C441	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C442	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C443	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C444	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C445	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C446	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C447	1-126-961-11	ELECT	2.2uF	20%	50V
C448	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

MAIN

Ref. No.	Part No.	Description			Remark
C450	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C451	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C452	1-126-964-11	ELECT	10uF	20%	50V
C453	1-126-964-11	ELECT	10uF	20%	50V
C483	1-126-960-11	ELECT	1uF	20%	50V
C484	1-126-960-11	ELECT	1uF	20%	50V
C485	1-126-961-11	ELECT	2.2uF	20%	50V
C491	1-107-882-11	ELECT	100uF	20%	16V
C603	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C614	1-115-156-11	CERAMIC CHIP	1uF		10V
C618	1-126-947-11	ELECT	47uF	20%	35V
C619	1-126-964-11	ELECT	10uF	20%	50V
C620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C701	1-124-584-00	ELECT	100uF	20%	10V
C704	1-124-584-00	ELECT	100uF	20%	10V
C705	1-124-584-00	ELECT	100uF	20%	10V
C706	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C707	1-124-584-00	ELECT	100uF	20%	10V
C709	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C711	1-124-589-11	ELECT	47uF	20%	16V
C807	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C810	1-125-701-11	DOUBLE LAYERS	0.047F		5.5V
C812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C813	1-104-665-11	ELECT	100uF	20%	25V
C816	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C817	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C818	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C821	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C822	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C825	1-104-665-11	ELECT	100uF	20%	25V
C827	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C828	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C829	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C908	1-126-960-11	ELECT	1uF	20%	50V
C922	1-131-868-81	ELECT	3300uF	20%	16V
C990	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C991	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C992	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C993	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C994	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C995	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C996	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C997	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN751	1-779-294-11	CONNECTOR, FFC (LIF(NON-ZIF)) 26P			
CNP801	1-568-860-11	SOCKET, CONNECTOR 17P			
CNP901	1-774-701-21	PIN, CONNECTOR 16P			
		< DIODE >			
D400	6-501-193-01	DIODE	1SS355WTE-17		
D402	6-501-170-01	DIODE	UDZW-TE17-6.8B		
D403	6-501-170-01	DIODE	UDZW-TE17-6.8B		
D404	6-501-170-01	DIODE	UDZW-TE17-6.8B		
D600	6-501-168-01	DIODE	UDZW-TE17-5.6B		
D701	6-501-193-01	DIODE	1SS355WTE-17		
D702	6-501-193-01	DIODE	1SS355WTE-17		
D801	6-501-193-01	DIODE	1SS355WTE-17		

Ref. No.	Part No.	Description	Remark
D802	8-719-058-24	DIODE RB501V-40TE-17	
D803	6-501-170-01	DIODE UDZW-TE17-6.8B	
D814	6-501-180-01	DIODE UDZW-TE17-18B	
D815	8-719-109-97	DIODE RD6.8ESB2	
D816	8-719-110-49	DIODE RD18ESB2	
D817	8-719-109-97	DIODE RD6.8ESB2	
D818	8-719-109-97	DIODE RD6.8ESB2	
D819	8-719-109-97	DIODE RD6.8ESB2	
D820	8-719-109-97	DIODE RD6.8ESB2	
D821	8-719-109-97	DIODE RD6.8ESB2	
D822	8-719-109-97	DIODE RD6.8ESB2	
D823	8-719-109-97	DIODE RD6.8ESB2	
D824	8-719-109-97	DIODE RD6.8ESB2	
D825	6-501-170-01	DIODE UDZW-TE17-6.8B	
D901	6-501-180-01	DIODE UDZW-TE17-18B	
D902	8-719-053-18	DIODE 1SR154-400TE-25	
D903	8-719-053-18	DIODE 1SR154-400TE-25	
D904	6-500-522-01	DIODE 10EDB40-TA1B2	
D905	6-500-522-01	DIODE 10EDB40-TA1B2	
D906	6-500-522-01	DIODE 10EDB40-TA1B2	
D907	6-500-522-01	DIODE 10EDB40-TA1B2	
D908	6-500-522-01	DIODE 10EDB40-TA1B2	
D909	6-500-522-01	DIODE 10EDB40-TA1B2	
D912	6-501-180-01	DIODE UDZW-TE17-18B	
D914	6-501-170-01	DIODE UDZW-TE17-6.8B	
D915	6-501-171-01	DIODE UDZW-TE17-7.5B	
D916	6-500-522-01	DIODE 10EDB40-TA1B2	
D917	6-500-522-01	DIODE 10EDB40-TA1B2	
D918	8-719-987-69	DIODE DAN217	
D919	8-719-049-38	DIODE 1N5404TU	
D921	6-500-522-01	DIODE 10EDB40-TA1B2	
D922	6-500-522-01	DIODE 10EDB40-TA1B2	
		< FERRITE BEAD >	
FB491	1-216-864-11	SHORT CHIP 0	
FB702	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB901	1-414-813-11	FERRITE, EMI (SMD) (2012)	
FB902	1-414-813-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC100	6-705-360-02	IC TDA8588BJ/N2/R1	
IC401	6-707-303-01	IC TDA7419TR	
IC801	6-806-633-01	IC MB90488BPF-G-211E1	
IC802	8-759-659-13	IC PST3428UL	
		< JUMPER RESISTOR >	
JR5	1-216-864-11	SHORT CHIP 0	
JR10	1-414-227-11	INDUCTOR, FERRITE BEAD	
JR12	1-216-864-11	SHORT CHIP 0	
JR14	1-216-296-11	SHORT CHIP 0	
JR401	1-216-296-11	SHORT CHIP 0	
JR402	1-216-296-11	SHORT CHIP 0	
JR403	1-216-296-11	SHORT CHIP 0	
JR601	1-216-864-11	SHORT CHIP 0	
JR602	1-216-864-11	SHORT CHIP 0	
JR800	1-216-864-11	SHORT CHIP 0	

Ref. No.	Part No.	Description			Remark
		< COIL >			
L602	1-414-394-41	INDUCTOR	2.2uH		
L700	1-410-509-11	INDUCTOR	10uH		
L701	1-410-501-11	INDUCTOR	2.2uH		
L702	1-410-509-11	INDUCTOR	10uH		
L703	1-414-813-11	FERRITE, EMI (SMD) (2012)			
L900	1-456-617-11	COIL, CHOKE			
		< JACK >			
PJ401	1-794-621-11	JACK, PIN 5P (VIDEO OUT, AUDIO OUT FRONT/REAR)			
PJ601	1-793-598-11	JACK (ANTENNA)			
		< TRANSISTOR >			
Q400	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q401	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q402	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P		
Q403	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P		
Q404	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P		
Q405	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P		
Q406	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P		
Q407	6-551-070-01	TRANSISTOR	KRC283S-B-RPK/P		
Q601	6-551-431-01	TRANSISTOR	2SC6027T100-QR		
Q701	8-729-106-60	TRANSISTOR	2SB1115A-YQ		
Q703	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q800	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q801	8-729-038-71	TRANSISTOR	KRC107S		
Q802	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q900	8-729-010-25	TRANSISTOR	MSD601-RT1		
Q901	8-729-034-51	TRANSISTOR	KTC3875		
Q902	8-729-421-22	TRANSISTOR	UN2211		
Q906	8-729-010-25	TRANSISTOR	MSD601-RT1		
Q907	8-729-421-22	TRANSISTOR	UN2211		
		< RESISTOR >			
R101	1-216-841-11	METAL CHIP	47K	5%	1/10W
R303	1-216-821-11	METAL CHIP	1K	5%	1/10W
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W
R403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R404	1-216-809-11	METAL CHIP	100	5%	1/10W
R405	1-216-809-11	METAL CHIP	100	5%	1/10W
R406	1-216-809-11	METAL CHIP	100	5%	1/10W
R407	1-216-809-11	METAL CHIP	100	5%	1/10W
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W
R411	1-216-809-11	METAL CHIP	100	5%	1/10W
R412	1-216-809-11	METAL CHIP	100	5%	1/10W
R413	1-216-833-11	METAL CHIP	10K	5%	1/10W
R414	1-216-809-11	METAL CHIP	100	5%	1/10W
R415	1-216-809-11	METAL CHIP	100	5%	1/10W
R416	1-216-809-11	METAL CHIP	100	5%	1/10W
R417	1-216-809-11	METAL CHIP	100	5%	1/10W
R418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R419	1-216-833-11	METAL CHIP	10K	5%	1/10W
R420	1-216-833-11	METAL CHIP	10K	5%	1/10W
R421	1-216-833-11	METAL CHIP	10K	5%	1/10W
R424	1-216-805-11	METAL CHIP	47	5%	1/10W
R426	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R427	1-216-833-11	METAL CHIP	10K	5%	1/10W
R429	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R430	1-216-833-11	METAL CHIP	10K	5%	1/10W
R435	1-247-807-31	CARBON	100	5%	1/4W
R436	1-216-809-11	METAL CHIP	100	5%	1/10W
R437	1-216-821-11	METAL CHIP	1K	5%	1/10W
R440	1-216-809-11	METAL CHIP	100	5%	1/10W
R441	1-216-809-11	METAL CHIP	100	5%	1/10W
R442	1-216-841-11	METAL CHIP	47K	5%	1/10W
R443	1-216-841-11	METAL CHIP	47K	5%	1/10W
R447	1-216-811-11	METAL CHIP	150	5%	1/10W
R448	1-216-841-11	METAL CHIP	47K	5%	1/10W
R469	1-216-864-11	SHORT CHIP	0		
R470	1-216-809-11	METAL CHIP	100	5%	1/10W
R603	1-216-809-11	METAL CHIP	100	5%	1/10W
R604	1-216-809-11	METAL CHIP	100	5%	1/10W
R606	1-216-809-11	METAL CHIP	100	5%	1/10W
R607	1-216-809-11	METAL CHIP	100	5%	1/10W
R608	1-216-809-11	METAL CHIP	100	5%	1/10W
R615	1-216-821-11	METAL CHIP	1K	5%	1/10W
R701	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R702	1-216-033-00	RES-CHIP	220	5%	1/10W
R703	1-216-864-11	SHORT CHIP	0		
R705	1-216-809-11	METAL CHIP	100	5%	1/10W
R708	1-216-864-11	SHORT CHIP	0		
R709	1-216-864-11	SHORT CHIP	0		
R800	1-216-864-11	SHORT CHIP	0		
R801	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W
R805	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R806	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R809	1-216-845-11	METAL CHIP	100K	5%	1/10W
R810	1-216-845-11	METAL CHIP	100K	5%	1/10W
R812	1-216-845-11	METAL CHIP	100K	5%	1/10W
R814	1-216-845-11	METAL CHIP	100K	5%	1/10W
R815	1-216-839-11	METAL CHIP	33K	5%	1/10W
R816	1-216-821-11	METAL CHIP	1K	5%	1/10W
R817	1-216-821-11	METAL CHIP	1K	5%	1/10W
R818	1-216-809-11	METAL CHIP	100	5%	1/10W
R819	1-216-809-11	METAL CHIP	100	5%	1/10W
R821	1-216-817-11	METAL CHIP	470	5%	1/10W
R822	1-216-817-11	METAL CHIP	470	5%	1/10W
R823	1-216-817-11	METAL CHIP	470	5%	1/10W
R824	1-216-849-11	METAL CHIP	220K	5%	1/10W
R825	1-216-849-11	METAL CHIP	220K	5%	1/10W
R826	1-216-843-11	METAL CHIP	68K	5%	1/10W
R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R830	1-216-809-11	METAL CHIP	100	5%	1/10W
R832	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R833	1-249-417-11	CARBON	1K	5%	1/4W
R834	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R835	1-216-845-11	METAL CHIP	100K	5%	1/10W
R836	1-216-845-11	METAL CHIP	100K	5%	1/10W
R837	1-216-821-11	METAL CHIP	1K	5%	1/10W
R839	1-216-809-11	METAL CHIP	100	5%	1/10W
R840	1-216-809-11	METAL CHIP	100	5%	1/10W
R841	1-216-809-11	METAL CHIP	100	5%	1/10W

MAIN **SENSOR** **SERVO**

Ref. No.	Part No.	Description			Remark
R843	1-216-809-11	METAL CHIP	100	5%	1/10W
R844	1-216-845-11	METAL CHIP	100K	5%	1/10W
R846	1-216-845-11	METAL CHIP	100K	5%	1/10W
R847	1-216-845-11	METAL CHIP	100K	5%	1/10W
R848	1-216-845-11	METAL CHIP	100K	5%	1/10W
R849	1-216-841-11	METAL CHIP	47K	5%	1/10W
R853	1-216-864-11	SHORT CHIP	0		
R854	1-216-864-11	SHORT CHIP	0		
R855	1-216-821-11	METAL CHIP	1K	5%	1/10W
R860	1-216-845-11	METAL CHIP	100K	5%	1/10W
R861	1-216-809-11	METAL CHIP	100	5%	1/10W
R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R863	1-216-845-11	METAL CHIP	100K	5%	1/10W
R864	1-216-833-11	METAL CHIP	10K	5%	1/10W
R865	1-216-833-11	METAL CHIP	10K	5%	1/10W
R870	1-249-407-11	CARBON	150	5%	1/4W
R871	1-216-049-11	RES-CHIP	1K	5%	1/10W
R872	1-216-049-11	RES-CHIP	1K	5%	1/10W
R881	1-216-864-11	SHORT CHIP	0		
R901	1-216-845-11	METAL CHIP	100K	5%	1/10W
R902	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R903	1-216-841-11	METAL CHIP	47K	5%	1/10W
R904	1-216-841-11	METAL CHIP	47K	5%	1/10W
R905	1-216-833-11	METAL CHIP	10K	5%	1/10W
R907	1-216-833-11	METAL CHIP	10K	5%	1/10W
R912	1-249-417-11	CARBON	1K	5%	1/4W
R913	1-216-821-11	METAL CHIP	1K	5%	1/10W
R916	1-216-864-11	SHORT CHIP	0		
R917	1-249-421-11	CARBON	2.2K	5%	1/4W
R920	1-216-821-11	METAL CHIP	1K	5%	1/10W
R925	1-216-845-11	METAL CHIP	100K	5%	1/10W
R927	1-216-833-11	METAL CHIP	10K	5%	1/10W
R928	1-249-421-11	CARBON	2.2K	5%	1/4W
R931	1-216-073-00	RES-CHIP	10K	5%	1/10W
R932	1-216-073-00	RES-CHIP	10K	5%	1/10W
R936	1-216-864-11	SHORT CHIP	0		
		< SWITCH >			
S800	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT)			
S801	1-786-458-11	SWITCH, PUSH (1 KEY) (FRONT PANEL DETECT)			
S802	1-692-431-21	SWITCH, TACTILE (RESET)			
		< TUNER UNIT >			
TUX601	A-3220-960-B	TUNER UNIT (TUX-032)			
		< VIBRATOR >			
X800	1-813-524-21	VIBRATOR, CERAMIC (18.432MHz)			
X801	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)			
**********					
		SENSOR BOARD			
		**********			
		< SWITCH >			
SW2	1-529-566-61	SWITCH, PUSH (1 KEY) (SELF)			
SW3	1-529-566-61	SWITCH, PUSH (1 KEY) (DISC IN)			
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Ref. No.	Part No.	Description			Remark
	A-1107-620-A	SERVO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C102	1-104-609-11	ELECT CHIP	100uF	20%	4V
C103	1-126-208-21	ELECT CHIP	47uF	20%	4V
C111	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C112	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C131	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C133	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C160	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C161	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C162	1-164-378-11	CERAMIC CHIP	30PF	5%	50V
C163	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C164	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C165	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C166	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C180	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C181	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C182	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C183	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C201	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C301	1-126-208-21	ELECT CHIP	47uF	20%	4V
C302	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C303	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C304	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C305	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C312	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C313	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C400	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C401	1-104-609-11	ELECT CHIP	100uF	20%	4V
C402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C403	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C404	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C406	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C407	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C410	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C501	1-104-609-11	ELECT CHIP	100uF	20%	4V
C502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C503	1-162-928-11	CERAMIC CHIP	120PF	5%	50V
C504	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C506	1-104-609-11	ELECT CHIP	100uF	20%	4V
C507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C508	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C509	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-126-602-11	ELECT CHIP	3.3uF	20%	50V
C512	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C514	1-100-381-11	ELECT CHIP	10uF	20%	16V
C515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C517	1-104-609-11	ELECT CHIP	100uF	20%	4V
C518	1-104-609-11	ELECT CHIP	100uF	20%	4V

Ref. No.	Part No.	Description			Remark
C519	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C521	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C531	1-126-208-21	ELECT CHIP	47uF	20%	4V
C540	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C541	1-164-217-11	CERAMIC CHIP	150PF	5%	50V
C542	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C543	1-164-217-11	CERAMIC CHIP	150PF	5%	50V
C544	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C545	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C546	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C547	1-164-854-11	CERAMIC CHIP	15PF	5%	50V
C548	1-164-854-11	CERAMIC CHIP	15PF	5%	50V
C551	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C600	1-128-995-21	ELECT CHIP	100uF	20%	10V
C605	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C705	1-126-208-21	ELECT CHIP	47uF	20%	4V
C706	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C708	1-126-208-21	ELECT CHIP	47uF	20%	4V
C709	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CN1	1-784-876-21	CONNECTOR, FFC (LIF(NON-ZIF)) 26P			
* CN401	1-695-320-21	PIN, CONNECTOR (1.5mm) (SMD) 2P			
CN500	1-815-016-61	CONNECTOR, FFC/FPC (ZIF) 16P			
		< DIODE >			
D101	8-719-053-18	DIODE 1SR154-400TE-25			
D906	6-500-812-01	DIODE RLZTE-113.6B			
D907	8-719-083-57	DIODE UDZSTE-173.6B			
D909	8-719-083-57	DIODE UDZSTE-173.6B			
D910	8-719-083-57	DIODE UDZSTE-173.6B			
		< FERRITE BEAD >			
FB501	1-216-864-11	SHORT CHIP	0		
FB502	1-414-595-11	INDUCTOR, FERRITE BEAD			
FB503	1-469-777-21	INDUCTOR, FERRITE BEAD			
FB504	1-216-864-11	SHORT CHIP	0		
		< IC >			
IC100	6-706-599-01	IC SPCA716A-HL111			
IC200	6-805-375-03	IC M29W400DB55N6E-V202			
IC300	6-708-645-01	IC MSM56V16160JP-8T3			
IC400	6-706-600-01	IC SPCA717A-HL211			
IC500	6-706-601-01	IC BU9536KS2			
IC600	6-705-002-01	IC BA5966FP-FE2			
IC700	6-707-146-01	IC WM8726GED/R			
		< COIL >			
L401	1-414-404-41	INDUCTOR	100uH		
		< TRANSISTOR >			
Q501	8-729-904-87	TRANSISTOR 2SB1197K-R			
Q502	8-729-928-90	TRANSISTOR DTC114EE			
		< RESISTOR >			
R101	1-218-933-11	RES-CHIP	22	5%	1/16W
R102	1-218-933-11	RES-CHIP	22	5%	1/16W

Ref. No.	Part No.	Description			Remark
R103	1-218-933-11	RES-CHIP	22	5%	1/16W
R104	1-218-933-11	RES-CHIP	22	5%	1/16W
R105	1-218-933-11	RES-CHIP	22	5%	1/16W
R106	1-218-941-81	RES-CHIP	100	5%	1/16W
R107	1-218-941-81	RES-CHIP	100	5%	1/16W
R108	1-218-941-81	RES-CHIP	100	5%	1/16W
R109	1-218-933-11	RES-CHIP	22	5%	1/16W
R110	1-218-933-11	RES-CHIP	22	5%	1/16W
R111	1-218-933-11	RES-CHIP	22	5%	1/16W
R112	1-218-933-11	RES-CHIP	22	5%	1/16W
R113	1-218-933-11	RES-CHIP	22	5%	1/16W
R114	1-218-933-11	RES-CHIP	22	5%	1/16W
R161	1-218-941-81	RES-CHIP	100	5%	1/16W
R162	1-218-941-81	RES-CHIP	100	5%	1/16W
R163	1-218-935-11	RES-CHIP	33	5%	1/16W
R164	1-220-199-81	RES-CHIP	24K	5%	1/16W
R165	1-218-935-11	RES-CHIP	33	5%	1/16W
R166	1-218-941-81	RES-CHIP	100	5%	1/16W
R167	1-218-973-11	RES-CHIP	47K	5%	1/16W
R168	1-218-941-81	RES-CHIP	100	5%	1/16W
R169	1-218-973-11	RES-CHIP	47K	5%	1/16W
R170	1-218-941-81	RES-CHIP	100	5%	1/16W
R171	1-218-973-11	RES-CHIP	47K	5%	1/16W
R172	1-218-941-81	RES-CHIP	100	5%	1/16W
R173	1-218-973-11	RES-CHIP	47K	5%	1/16W
R175	1-218-973-11	RES-CHIP	47K	5%	1/16W
R176	1-218-945-11	RES-CHIP	220	5%	1/16W
R177	1-218-973-11	RES-CHIP	47K	5%	1/16W
R178	1-218-945-11	RES-CHIP	220	5%	1/16W
R180	1-218-953-11	RES-CHIP	1K	5%	1/16W
R181	1-218-973-11	RES-CHIP	47K	5%	1/16W
R311	1-218-933-11	RES-CHIP	22	5%	1/16W
R312	1-218-933-11	RES-CHIP	22	5%	1/16W
R401	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R402	1-218-971-11	RES-CHIP	33K	5%	1/16W
R403	1-220-169-11	RES-CHIP	75	5%	1/16W
R404	1-218-989-11	RES-CHIP	1M	5%	1/16W
R405	1-218-952-11	RES-CHIP	820	5%	1/16W
R501	1-218-967-11	RES-CHIP	15K	5%	1/16W
R502	1-218-967-11	RES-CHIP	15K	5%	1/16W
R503	1-220-205-11	RES-CHIP	75K	5%	1/16W
R504	1-220-205-11	RES-CHIP	75K	5%	1/16W
R505	1-218-979-11	RES-CHIP	150K	5%	1/16W
R506	1-218-953-11	RES-CHIP	1K	5%	1/16W
R507	1-218-977-11	RES-CHIP	100K	5%	1/16W
R508	1-218-929-11	RES-CHIP	10	5%	1/16W
R509	1-218-929-11	RES-CHIP	10	5%	1/16W
R511	1-218-949-11	RES-CHIP	470	5%	1/16W
R512	1-218-970-11	RES-CHIP	27K	5%	1/16W
R513	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
R514	1-218-969-11	RES-CHIP	22K	5%	1/16W
R515	1-218-983-11	RES-CHIP	330K	5%	1/16W
R516	1-218-971-11	RES-CHIP	33K	5%	1/16W
R541	1-218-951-11	RES-CHIP	680	5%	1/16W
R542	1-218-989-11	RES-CHIP	1M	5%	1/16W
R543	1-218-969-11	RES-CHIP	22K	5%	1/16W
R544	1-220-205-11	RES-CHIP	75K	5%	1/16W
R545	1-218-970-11	RES-CHIP	27K	5%	1/16W

SERVO **SUB**

Ref. No.	Part No.	Description			Remark
R546	1-218-953-11	RES-CHIP	1K	5%	1/16W
R547	1-243-975-11	METAL CHIP	4.7M	5%	1/16W
R548	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R551	1-218-941-81	RES-CHIP	100	5%	1/16W
R600	1-218-990-81	SHORT CHIP	0		
R601	1-218-965-11	RES-CHIP	10K	5%	1/16W
R602	1-218-971-11	RES-CHIP	33K	5%	1/16W
R603	1-218-965-11	RES-CHIP	10K	5%	1/16W
R604	1-218-967-11	RES-CHIP	15K	5%	1/16W
R605	1-218-969-11	RES-CHIP	22K	5%	1/16W
R606	1-218-969-11	RES-CHIP	22K	5%	1/16W
R621	1-218-967-11	RES-CHIP	15K	5%	1/16W
R622	1-218-990-81	SHORT CHIP	0		
R623	1-218-969-11	RES-CHIP	22K	5%	1/16W
R624	1-218-968-11	RES-CHIP	18K	5%	1/16W
R625	1-218-968-11	RES-CHIP	18K	5%	1/16W
R626	1-218-969-11	RES-CHIP	22K	5%	1/16W
R627	1-218-990-81	SHORT CHIP	0		
R629	1-218-990-81	SHORT CHIP	0		
R630	1-218-965-11	RES-CHIP	10K	5%	1/16W
R631	1-218-965-11	RES-CHIP	10K	5%	1/16W
R632	1-218-990-81	SHORT CHIP	0		
R701	1-218-941-81	RES-CHIP	100	5%	1/16W
R702	1-218-945-11	RES-CHIP	220	5%	1/16W
R703	1-218-945-11	RES-CHIP	220	5%	1/16W
R704	1-218-945-11	RES-CHIP	220	5%	1/16W
R707	1-218-941-81	RES-CHIP	100	5%	1/16W
R708	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R709	1-218-941-81	RES-CHIP	100	5%	1/16W
		< NETWORK RESISTOR >			
RB101	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB102	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB103	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB104	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB105	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB106	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB107	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB108	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB109	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB110	1-234-372-11	RES, NETWORK 100X4 (1005)			
RB111	1-234-372-11	RES, NETWORK 100X4 (1005)			
RB112	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB113	1-234-370-21	RES, NETWORK 22X4 (1005)			
RB301	1-234-370-21	RES, NETWORK 22X4 (1005)			
		< SWITCH >			
SW1	1-529-565-61	SWITCH, PUSH (1 KEY) (DOWN)			
		< VIBRATOR >			
X401	1-813-796-21	VIBRATOR, CRYSTAL (27MHz)			
X541	1-813-565-11	VIBRATOR, CRYSTAL (16.934MHz)			

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Ref. No.	Part No.	Description	Remark
	A-1188-748-A	SUB BOARD, COMPLETE	
		**********	
	1-831-308-11	CABLE, FLEXIBLE FLAT (17 CORE)	
		< CONNECTOR >	
CN801	1-819-782-11	SOCKET, CONNECTOR 16P	
		< DIODE >	
LED801	6-501-547-01	LED CL-197HB1E-D-T (DOOR IND)	
LED802	6-501-547-01	LED CL-197HB1E-D-T (⏏)	
		< SWITCH >	
S801	1-786-653-11	SWITCH, TACTILE (⏏)	

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		MISCELLANEOUS	
		**********	
12	1-829-847-12	CABLE, FLAT (FFC) 26P	
14	1-792-194-41	CORD (WITH CONNECTOR) (POWER)	
57	1-780-330-11	CONDUCTIVE BOARD, CONNECTION	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-645-A	CHASSIS (OP) SUB ASSY (including M901)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
LCD901	1-805-940-11	DISPLAY PANEL, LIQUID CRYSTAL	
M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
M903	A-1166-300-A	MOTOR ASSY (B), LE (LOADING)	
RE901	1-479-481-13	ENCODER, ROTARY (PUSH SELECT (VOLUME))	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	

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		ACCESSORIES
		**********
	1-479-077-83	REMOTE COMMANDER (RM-X158)
	2-548-729-01	LID, BATTERY CASE (for RM-X158)
	2-684-790-11	MANUAL, INSTRUCTION (ENGLISH,ARABIC) (E)
	2-684-790-21	MANUAL, INSTRUCTION (SIMPLIFIED CHINESE) (CH)
	2-684-791-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH,ARABIC) (E)
	2-684-791-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SIMPLIFIED CHINESE) (CH)
	X-2055-358-1	CASE ASSY (for FRONT PANEL)

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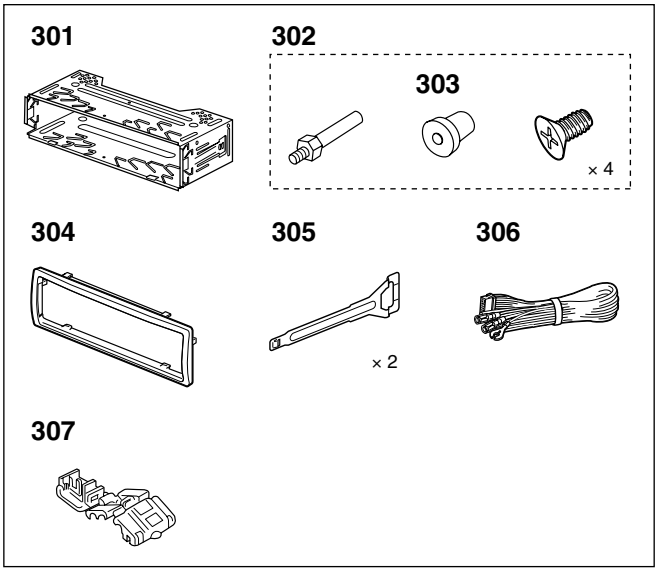
Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
301	X-3382-647-1	FRAME ASSY, FITTING	
302	X-3381-154-1	SCREW ASSY (BS4), FITTING	
303	3-349-410-11	BUSHING	
304	2-638-099-01	COLLAR	
305	3-246-471-01	KEY (FRAME)	
306	1-792-194-41	CORD (WITH CONNECTOR) (POWER)	
307	1-562-593-11	CONNECTOR (CL-2218T)	



REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2006.05	New